

Division 3. Air Resources Board

Chapter 2. Enforcement of Vehicle Emission Standards and Surveillance Testing

Article 2. Enforcement of New and Used Vehicle Standards

§ 2100. Purpose.

(a) It is the purpose of this article to implement authority granted the state board in Part 5, Division 26 of the Health and Safety Code in order to monitor motor vehicles from manufacture through distribution, to and in the hands of consumers, to determine compliance with applicable laws.

(b) This section shall apply to 1977 and subsequent model-year vehicles.

NOTE: Authority cited: Sections 39600 and 39601, Health and Safety Code. Reference: Sections 39002, 39003, 39500, 43000, 43202, 43210, 43211 and 43212, Health and Safety Code.

REFERENCE

§ 2100.5. Purpose.

Notwithstanding the repeal or expiration of this regulation on May 12, 1983, the provisions of the regulation as they existed prior to such repeal or expiration shall continue to be operative and effective for those events occurring prior to the repeal or expiration.

NOTE: Authority cited: Sections 39600 and 39601, Health and Safety Code. Reference: Section 43210, Health and Safety Code.

REFERENCE

§ 2100.6. Purpose.

(a) It is the purpose of this article to implement authority granted the Board in Part 5, Division 26 of the Health and Safety Code in order to monitor motor vehicles that, although properly maintained and used, are not in compliance with applicable laws and regulations.

(b) This section shall apply to 1978 and subsequent model-year passenger cars, light-duty trucks, medium and heavy-duty vehicles, and motorcycles.

NOTE: Authority cited: Sections 39601, 43105 and 43213, Health and Safety Code. Reference: Sections 43000, 43105, 43106 and 43211-43213, Health and Safety Code.

REFERENCE

§ 2101. Compliance Testing and Inspection--New Vehicle Selection, Evaluation, and Enforcement Action.

(a) The executive officer may, with respect to any new vehicle engine family, test group or subgroup being sold, offered for sale, or manufactured for sale in California, order a vehicle manufacturer to make available for compliance testing and/or inspection a reasonable number of vehicles, and may direct that the vehicles be delivered to the state board at the Haagen-Smit Laboratory, 9528 Telstar Avenue, El Monte, California. Vehicles shall be selected at random from sources specified by the executive officer according to a method approved by him/her, which insofar as practical shall exclude (1) vehicles manufactured pursuant to the specific order of an ultimate purchaser or (2) vehicles the selection of which, if not excluded, would result in an unreasonable disruption of the manufacturer's distribution system.

A subgroup may be selected for compliance testing only if the executive officer has reason to believe that the emissions characteristics of that subgroup are substantially in excess of the emissions of the engine family or test group as a whole.

(b) If the vehicles are selected for compliance testing, the selection and testing of vehicles and the evaluation of data shall be made in accordance with the "California New Vehicle Compliance Test Procedures," adopted by the state board on June 24, 1976 and last amended August 5, 1999. Testing of passenger cars and light-duty-trucks certified to the low-emission and ultra-low-emission exhaust standards to determine compliance with the Supplemental Federal Test Procedure emission standards shall commence in the 2002 model year. Motorcycles scheduled for compliance testing shall be selected, tested, and evaluated in accordance with the "California New Motorcycle Compliance Test Procedures," adopted by the state board on June 30, 1977, and amended November 24, 1981.

(c) If the executive officer determines, in accordance with the “California New Vehicle Compliance Test Procedures,” or the “California New Motorcycle Compliance Test Procedures” that an engine family, test group, or any subgroup within an engine family or test group, exceeds the emission standards for one or more pollutants, the executive officer shall notify the manufacturer and may invoke Section 2109. Prior to invoking Section 2109, the executive officer shall consider quality audit test results, if any, and any additional test data or other information provided by the manufacturer.

(d) Vehicles selected for inspection shall be checked to verify the presence of those emissions-related components specified in the manufacturer's application for certification, and for the accuracy of any adjustments, part numbers and labels specified in that application. If any vehicle selected for inspection fails to conform to any applicable law in Part 5 (commencing with Section 43000) of Division 26 of the Health and Safety Code, or any regulation adopted by the state board pursuant thereto, other than an emissions standard applied to new vehicles to determine “certification” as specified in Subchapter 1, Article 2 of this Chapter and an assembly-line test procedure specified in Subchapter 2, Article 1 of this Chapter, the executive officer shall notify the manufacturer and may invoke Section 2109. Prior to invoking Section 2109, the executive officer shall consider any information provided by the manufacturer.

NOTE: Authority cited: Sections 39600, 39601 and 43104, Health and Safety Code. Reference: Sections 39002, 39003, 39500, 43000, 43106, 43202, 43210, 43211 and 43212, Health and Safety Code.

REFERENCE

§ 2102. Selection of Vehicles.

NOTE: Authority cited: Sections 39600, 39601, 43104, 43106 and 43210, Health and Safety Code. Reference: Sections 39002, 39003, 39500, 43000, 43106 and 43210, Health and Safety Code.

REFERENCE

§ 2103. Evaluation.

NOTE: Authority cited: Sections 39600, 39601, 43104, 43106 and 43210, Health and Safety Code. Reference: Sections 39002, 39003, 39500, 43000, 43106 and 43210, Health and Safety Code.

REFERENCE

§ 2104. Action 2103.

NOTE: Authority cited: Sections 39600, 39601, 43104, 43106 and 43210, Health and Safety Code. Reference: Sections 39002, 39003, 39500, 43000, 43106 and 43210, Health and Safety Code.

REFERENCE

§ 2105. Compliance with Applicable Laws.

NOTE: Authority cited: Sections 39600, 39601, 43104, 43106 and 43210, Health and Safety Code. Reference: Sections 39002, 39003, 39500, 43000, 43106 and 43210, Health and Safety Code.

REFERENCE

§ 2106. New Vehicle Assembly-Line Inspection Testing.

If reports required by an assembly-line test procedure under Article 1 of Subchapter 2 are not in accordance with reporting requirements or if surveillance under Article 2 or Article 3 of Subchapter 2 indicates that assembly-line inspection testing is being improperly performed, or that vehicles are being manufactured which do not comply with the functional test requirements or, prior to the 2001 model year with the assembly-line emission standards, the executive officer may order corrections of reporting or test procedures, and may, in accordance with Section 2109 or 2110, as applicable, order correction of vehicles not in compliance with applicable laws, emission standards, or test procedures.

NOTE: Authority cited: Sections 39600, 39601, 43105 and 43210, Health and Safety Code. Reference: Sections 39002, 39003, 39500, 43000, 43104, 43105 and 43210, Health and Safety Code.

REFERENCE

§ 2107. Assembly-Line Quality-Audit Testing.

Prior to the 2001 model year, if any official test procedure adopted by the state board specifies that the state board may find a violation of Section 43105 or 43106 of the Health and Safety Code or of this article when a specified percentage of assembly-line vehicles exceeds a standard and when data submitted by the manufacturer indicates such percentage is being exceeded or if surveillance under Article 2 or Article 3 of Subchapter 2 indicates that assembly-line quality audit testing is being improperly performed, the executive officer may invoke the provisions of Section 2109 or 2110, as applicable. Quality audit testing is not required for the 2001 and subsequent model years.

NOTE: Authority cited: Sections 39600, 39601, 43105 and 43210, Health and Safety Code. Reference: Sections 39002, 39003, 39500, 43000, 43102, 43105, 43106 and 43210, Health and Safety Code.

REFERENCE

§ 2108. Order of Executive Officer.

Failure to comply with any order of the executive officer issued pursuant to this article may result in the revocation or conditioning of certification in the manner specified in Section 2109 or 2110, as applicable.

NOTE: Authority cited: Sections 39600 and 39601, Health and Safety Code. Reference: Sections 43100, 43105, 43106 and 43210, Health and Safety Code.

REFERENCE

§ 2109. New Vehicle Recall Provisions.

(a) When this section is invoked pursuant to other sections of this article or Health and Safety Code Section 43105, the executive officer shall require the manufacturer to submit a plan within 30 calendar days of receipt of the invocation order to bring all vehicles into compliance. The executive officer shall order execution of the plan with such changes and additions as he/she determines to be necessary. The plan may include measures to identify the cause of vehicle noncompliance and to correct noncomplying conditions, correction of vehicles under manufacture, correction of vehicles in the possession or control of the manufacturer and dealers, and correction of vehicles in the possession of consumers (by correction upon service whether or not by warranty, by correction following notification of recall by mail, or by correction following efforts actively to locate and correct all such vehicles). The plan may include the temporary cessation of sales to dealers by the manufacturer and efforts by the manufacturer to prevent the sale of vehicles in possession or control of dealers, until the vehicles are corrected. The executive officer may order any one or more of the foregoing actions, or any other action reasonably necessary to bring all vehicles into compliance.

(b) The plan shall specify the percentage of vehicles subject to recall which must actually be corrected.

If, after good faith efforts, the manufacturer cannot correct the percentage of vehicles specified in the plan by the applicable deadlines, the manufacturer may request the executive officer to modify the percentage of vehicles specified in the plan, setting out in full the good faith efforts of the manufacturer to comply with the original plan, and the reasons it has been unable to comply. The executive officer shall, on the basis of this request, modify the percentage of vehicles which must actually be corrected if he/she finds in writing that the manufacturer has made a good faith effort and has shown good cause for the modification. If the manufacturer so requests, the plan shall specify the maximum incentives (such as a tune-up or specified quantity of gasoline), if any, the manufacturer must offer to vehicle owners to induce them to present their vehicles for repair, as a condition of showing that the manufacturer has made a good faith effort to repair the percentage of vehicles specified in the plan. The plan shall also include a schedule for implementing actions to be taken, including identified increments of progress towards implementation and deadlines for completing each such increment.

(c) If a vehicle is recalled pursuant to this section, the manufacturer shall make all necessary corrections specified in the plan without charge to the registered owner of the vehicle or, at the manufacturer's election, shall reimburse the registered owner for all costs (except incidental and consequential damages) of making such necessary corrections.

The term "all costs" shall not include incidental or consequential damages, except that the manufacturer shall reimburse the registered owner for any damage to the vehicle's emissions control system proximately caused by a defect subject to a recall action under this subsection or an action by a manufacturer taken pursuant to a plan under this subsection.

(d) If the plan ordered by the executive officer pursuant to this subsection includes a recall, the manufacturer may, within 20 calendar days of its receipt of the plan ordered by the executive officer, notify the executive officer of its desire to contest the necessity for or scope of that order. Any such notification shall specify the basis of the manufacturer's objections. Upon receipt of such notification, the executive officer shall stay the recall until the state board affords the manufacturer the opportunity, at a public hearing to be scheduled no less than 30 calendar days and no more than 60 calendar days after receipt of such notification, to present evidence in support of its objections.

A stay of a recall shall not, unless otherwise ordered, stay any other portion of a plan required herein or any other order issued pursuant to this article.

The manufacturer may, within 20 calendar days of its receipt of the plan ordered by the executive officer, request a public hearing of the state board on the necessity for or scope of any other corrective action ordered by the executive officer. Such a hearing shall be held by the state board not less than 30 and no more than 60 calendar days after receipt of the manufacturer's request for such a hearing. The plan ordered by the executive officer shall remain in effect pending such hearing, unless otherwise ordered by the executive officer.

(e) Failure by a manufacturer to carry out all corrective actions or recall actions ordered by the executive officer pursuant to Section 2106 or to subsection (a) of this section according to the schedule included in the plan ordered by the executive officer shall constitute a violation of that order and of Health and Safety Code Section 43105. The executive officer shall extend any deadline in the plan if he/she finds in writing that a manufacturer has shown good cause for such extension.

If the manufacturer fails to correct the percentage of vehicles subject to recall specified in the recall plan issued by the executive officer (including any modifications made by him/her), by the deadline(s) included in that plan, each vehicle included in the number of vehicles by which the manufacturer falls short of such percentage shall constitute a separate violation of the order and of Health and Safety Code Section 43016.

The state board may hold a public hearing to consider whether approval of such vehicles shall be suspended or conditioned. The state board shall hold such a hearing if requested to do so by either the affected manufacturer or the executive officer.

After the hearing, the state board may suspend or condition approval if it finds that the corrective action ordered by the executive officer was reasonable and that the manufacturer failed to comply or to comply within the specified time period.

NOTE: Authority cited: Sections 39600, 39601 and 43105, Health and Safety Code. Reference: Sections 39002, 39003, 39500, 43000, 43016, 43100-43102, 43104 and 43106, Health and Safety Code.

REFERENCE

§ 2110. Remedial Action for Assembly-Line Quality Audit Testing of Less Than a Full Calendar

Quarter of Production Prior to the 2001 Model Year.

(a) When this section is invoked prior to the 2001 model year pursuant to other sections of this article or Health and Safety Code Section 43105, the executive officer shall order the manufacturer to submit a remedial action plan to bring all vehicles in possession of the manufacturer into compliance. The manufacturer shall submit the plan within 30 calendar days after it receives the order. The executive officer may order execution of the plan with such changes and additions as he/she determines are necessary, including additional testing and reporting, consistent with the applicable assembly-line test procedures, to verify acceptability of the plan. The plan shall include a schedule for implementing actions to be taken, including identified increments of progress towards implementation, and deadlines for completing each such increment. The executive officer may not order a recall pursuant to this section.

(b) The manufacturer may, within 20 calendar days of its receipt of order for remedial action, request a public hearing of the state board on the necessity for or scope of any corrective action ordered by the executive officer. Such a hearing shall be held by the state board not less than 30 nor more than 60 calendar days after receipt of the manufacturer's request for such a hearing. The plan ordered by the executive officer shall remain in effect pending such hearing, unless otherwise ordered by the executive officer.

(c) Failure by a manufacturer to carry out all corrective actions ordered by the executive officer shall constitute a violation of that order and of Health and Safety Code Section 43105. The executive officer shall extend any deadline in the plan if he/she finds in writing that a manufacturer has shown good cause

for such extension. Each vehicle required by the plan issued by the executive officer (including any modifications made by him/her) to receive remedial action which does not receive such action by the deadline(s) included in the plan shall constitute a separate violation of the order and of Health and Safety Code Section 43106.

The state board may hold a public hearing to consider whether approval of such vehicles shall be suspended or conditioned. The state board shall hold such a hearing if requested to do so by either the affected manufacturer or the executive officer.

After such hearing, the state board may suspend or condition approval if it finds that the corrective action ordered by the executive officer was reasonable and that the manufacturer failed to comply or to comply within the specified time period.

NOTE: Authority cited: Sections 39600, 39601 and 43105, Health and Safety Code. Reference: Sections 39002, 39003, 39500, 43000, 43016, 43100-43102, 43104 and 43106, Health and Safety Code.

REFERENCE

Division 3. Air Resources Board

Chapter 2. Enforcement of Vehicle Emission Standards and Surveillance Testing

Article 2.1. Procedures for In – Use Vehicle Voluntary and Influenced Recalls

§ 2111. Applicability.

(a) These procedures shall apply to:

(1) California-certified 1982 and subsequent model-year passenger cars, light-duty trucks, medium-duty vehicles, heavy-duty vehicles, motorcycles, and California certified 1997 and subsequent model-year off-road motorcycles and all-terrain vehicles, including those federally certified vehicles which are sold in California pursuant to Health and Safety Code section 43102,

(2) California-certified motor vehicle engines used in such vehicles and

(3) California-certified 2000 and subsequent model-year off-road compression-ignition engines.

(b) These procedures shall not apply to zero emission vehicles and those vehicles certified under Health and Safety Code section 44201.

(c) The Executive Officer may waive any or all of the requirements of these procedures if he or she determines that the requirement constitutes an unwarranted burden on the manufacturer without a corresponding emission reduction.

NOTE: Authority cited: Sections 39600, 39601, 43013, 43018 and 43105, Health and Safety Code. Reference: Sections 43000, 43009.5, 43013, 43018, 43101, 43104, 43105, 43106, 43107 and 43204-43205.5, Health and Safety Code.

REFERENCE

§ 2112. Definitions.

(a) “Capture rate” means the percentage of in-use vehicles subject to recall which must be corrected to bring the class or category of vehicles into compliance. The number of vehicles subject to recall shall be based on the actual number of vehicles in use as verified by the Department of Motor Vehicles registration records, or vehicle or engine registration records compiled and prepared by R. L. Polk and Company or a comparable source at the time a recall is initiated.

(b) “Correlation factor” means a pollutant-specific multiplicative factor calculated by a manufacturer for an engine family or test group which establishes a relationship between chassis exhaust emission data, as determined from the test procedures specified in section 1960.1 or 1961, Title 13, California Code of Regulations, and engine exhaust emission data, as determined from the test procedures specified in section 1956.8, Title 13, California Code of Regulations.

(c) “Days”, when computing any period of time, means normal working days on which a manufacturer is open for business, unless otherwise noted.

(d) “Emission-Related Failure” means a failure of a device, system, or assembly described in the approved application for certification which affects any parameter, specification, or component enumerated in Appendix A to this subchapter 2.5 or listed in the Emission Warranty Parts List pursuant to section 2036,

Title 13, California Code of Regulations, except for failures of devices, systems and assemblies which the Executive Officer has deleted from the manufacturer's list of warranted parts pursuant to section 2036 (f), Title 13, California Code of Regulations.

(e) "Emission Warranty Claim" means an adjustment, inspection, repair or replacement of a specific emission-related component for which the vehicle or engine manufacturer is invoiced or solicited by a repairing agent for compensation pursuant to warranty provisions, regardless of whether compensation is actually provided.

(f) "Executive Officer" means the Executive Officer of the Air Resources Board or his or her authorized representative.

(g) "Influenced Emission Recall" means an inspection, repair, adjustment, or modification program initiated and conducted by a manufacturer or its agent or representative as a result of in-use enforcement testing or other evidence of noncompliance provided or required by the Board, to remedy any nonconformity for which direct notification of vehicle or engine owners is necessary.

(h) "Nonconformity" or "noncompliance" exists whenever:

(1) a substantial number of a class or category of vehicles or engines, although properly maintained and used, experience a failure of the same emission-related component within their useful lives which, if uncorrected, results in the vehicles' or engines' failure to meet the applicable standards; or

(2) a class or category of vehicles or engines within their useful lives, although properly maintained and used, on average does not comply with the emission standards prescribed under section 43101 of the Health and Safety Code which are applicable to the model-year of such vehicles or engines.

(i) "Ordered Emission Recall" means an inspection, repair, adjustment, or modification program required by the Board and conducted by the manufacturer or its agent or representative to remedy any nonconformity for which direct notification of vehicle or engine owners is necessary.

(j) "Quarterly reports" refer to the following calendar periods: January 1-March 31, April 1-June 30, July 1-September 30, October 1-December 31.

(k) "Ultimate purchaser" has the same meaning as defined in section 39055.5 of the Health and Safety Code.

(l) "Useful life" means, for the purposes of this article:

(1) For Class I motorcycles and motorcycle engines (50 to 169 cc or 3.1 to 10.4 cu. in.), a period of use of five years or 12,000 kilometers (7,456 miles), whichever first occurs.

(2) For Class II motorcycles and motorcycle engines (170 to 279 cc or 10.4 to 17.1 cu. in.), a period of use of five years or 18,000 kilometers (11,185 miles), whichever first occurs.

(3) For Class III motorcycles and motorcycle engines (280 cc and larger or 17.1 cu. in. and larger), a period of use of five years or 30,000 kilometers (18,641 miles), whichever first occurs.

(4) For 1982 through 1984 model-year diesel heavy-duty vehicles (except medium-duty vehicles), and 1982 through 1984 model-year motor vehicle engines used in such vehicles, a period of use of five years, 100,000 miles, or 3000 hours of operation, whichever first occurs.

(5) For 1982 through 1987 model-year gasoline heavy-duty vehicles (except medium-duty vehicles) certified using the steady-state emission standards and test procedures, and 1982 through 1987 model-year gasoline heavy-duty motor vehicle engines certified using the steady-state emission standards and test procedures, a period of use of five years or 50,000 miles, whichever first occurs.

(6) For 1987 through 2003 model-year gasoline heavy-duty vehicles (except medium-duty vehicles) certified to the transient emission standards and test procedures, and 1987 and subsequent model-year gasoline heavy-duty motor vehicle engines certified using the transient emission standards and test procedures, a period of use of eight years or 110,000 miles, whichever first occurs, except as noted in paragraph (13).

(7) For 1985 through 2003 model-year heavy-duty diesel urban buses, and 1985 through 2003 model-year heavy-duty diesel engines to be used in urban buses, and for 1985 through 2003 model-year diesel heavy-duty vehicles (except medium-duty vehicles), and 1985 through 2003 model-year motor vehicle engines used in such vehicles, a period of use of eight years or 110,000 miles, whichever first occurs, for diesel light, heavy-duty vehicles; eight years or 185,000 miles, whichever first occurs, for diesel medium, heavy-duty vehicles; and eight years or 290,000 miles, whichever first occurs, for diesel heavy, heavy-duty vehicles, except as provided in paragraphs (11), (14), (15) and (16); or any alternative useful life period approved by the Executive Officer. (The classes of diesel light, medium, and heavy, heavy-duty vehicles are defined in 40 CFR section 86.085-2, as amended November 16, 1983.)

(8) For light-duty and medium-duty vehicles certified under the Optional 100,000 Mile Certification Procedure, and motor vehicle engines used in such vehicles, a period of use of ten years or 100,000 miles, whichever first occurs.

(9) For 2001 and subsequent-model year medium-duty low-emission, ultra-low-emission and super-ultra-low-emission vehicles certified to the primary standards in section 1961(a)(1), and motor vehicle engines used in such vehicles, a period of use of ten years or 120,000 miles, whichever occurs first. For 2001 and subsequent medium-duty low-emission, ultra-low-emission and super-ultra-low-emission vehicles certified to the optional 150,000 mile standards in section 1961(a)(1), and motor vehicle engines used in such vehicles, a period of use of fifteen years or 150,000 miles, whichever occurs first. For all other 1995 and subsequent model-year medium-duty vehicles and motor vehicle engines used in such vehicles, and 1992 through 1994 model-year medium-duty low-emission and ultra-low-emission vehicles certified to the standards in Section 1960.1(h)(2), and motor vehicle engines used in such vehicles, a period of use of eleven years or 120,000 miles, whichever occurs first.

(10) For all other light-duty and medium-duty vehicles, and motor vehicle engines used in such vehicles, a period of use of five years or 50,000 miles, whichever first occurs. For those passenger cars, light-duty trucks and medium-duty vehicles certified pursuant to section 1960.1.5, Title 13, California Code of Regulations, the useful life shall be seven years, or 75,000 miles, whichever first occurs; however, the manufacturer's reporting and recall responsibility beyond 5 years or 50,000 miles shall be limited, as provided in section 1960.1.5. For those passenger cars and light-duty trucks certified pursuant to Title 13, California Code of Regulations, section 1960.1 (f) and section 1960.1(g), the useful life shall be ten years or 100,000 miles, whichever first occurs; however, for those vehicles certified under section 1960.1(f), the manufacturer's warranty failure and defects reporting and recall responsibility shall be subject to the conditions and standards specified in section 1960.1 (f).

(11) For 1994 through 2003 model-year heavy heavy-duty diesel urban buses, and 1994 through 2003 model-year heavy heavy-duty diesel engines to be used in urban buses, for the particulate standard, a period of use of ten years or 290,000 miles, whichever first occurs; or any alternative useful life period approved by the Executive Officer.

(12) For 1997 and subsequent model year off-road motorcycles, all-terrain vehicles, and engines used in such vehicles, a period of use of five years or 10,000 kilometers (6,250 miles), whichever first occurs.

(13) For 1998 through 2003 model-year gasoline heavy-duty engines, for the NOx standard, a period of use of ten years or 110,000 miles, whichever first occurs; or any alternative useful life period approved by the Executive Officer.

(14) For 1998 through 2003 model-year light heavy-duty diesel engines, for the NOx standard, a period of use of ten years or 110,000 miles, whichever first occurs; or any alternative useful life period approved by the Executive Officer. (15) For 1998 through 2003 model-year medium heavy-duty diesel engines, for the NOx standard, a period of use of ten years or 185,000 miles, whichever first occurs; or any alternative useful life period approved by the Executive Officer.

(16) For 1998 through 2003 model-year heavy heavy-duty diesel engines, for the NOx standard, a period of use of ten years or 290,000 miles, whichever first occurs; or any alternative useful life period approved by the Executive Officer.

(17) For those passenger cars and light-duty trucks certified to the primary standards in section 1961(a)(1), the useful life shall be ten years or 120,000 miles, whichever occurs first. For 2001 and subsequent passenger car and light-duty truck low-emission, ultra-low-emission and super-ultra-low-emission vehicles certified to the optional 150,000 mile standards in section 1961(a)(1), and motor vehicle engines used in such vehicles, a period of use of fifteen years or 150,000 miles, whichever occurs first.

(18) For 2004 and subsequent model-year light heavy-duty diesel engines, for carbon monoxide, particulate, and oxides of nitrogen plus non-methane hydrocarbons emissions standards, a period of use of 10 years or 110,000 miles, whichever first occurs, or any alternative useful life period approved by the Executive Officer.

(19) For 2004 and subsequent model-year medium heavy-duty diesel engines, for carbon monoxide, particulate, and oxides of nitrogen plus non-methane hydrocarbons emissions standards, a period of use of ten years or 185,000 miles, whichever first occurs; or any alternative useful life period approved by the Executive Officer.

(20) For 2004 and subsequent model-year heavy heavy-duty diesel engines, for carbon monoxide, particulate, and oxides of nitrogen plus non-methane hydrocarbon emissions standards, a period of use of

10 years or 435,000 miles, or 22,000 hours, whichever first occurs, or any alternative useful life period approved by the Executive Officer, except as provided in paragraphs (20)(i) and (20)(ii).

(i) The useful life limit of 22,000 hours in paragraph (20) of this definition is effective as a limit to the useful life only when an accurate hours meter is provided by the manufacturer with the engine and only when such hours meter can reasonably be expected to operate properly over the useful life of the engine.

(ii) For an individual engine, if the useful life hours limit of 22,000 hours is reached before the engine reaches 10 years or 100,000 miles, the useful life shall become 10 years or 100,000 miles, whichever occurs first, as required under Clean Air Act section 202(d) (42 U.S.C. 7521(d)).

(21) For 2004 and subsequent model-year heavy-duty Otto-cycle engines, for carbon monoxide, particulate, and oxides of nitrogen plus non-methane hydrocarbon emissions standards, a period of use of 10 years or 110,000 miles, whichever first occurs.

(22) For 2000 and later model year off-road compression-ignition engines, for oxides of nitrogen, hydrocarbon, oxides of nitrogen plus hydrocarbon (when applicable), carbon monoxide, particulate emission standards, and for smoke opacity:

(A) For all engines rated under 19 kilowatts, and for constant-speed engines rated under 37 kilowatts with rated speeds greater than or equal to 3,000 revolutions per minute, a period of use of five years or 3,000 hours of operation, whichever first occurs.

(B) For all other engines rated above 19 kilowatts and under 37 kilowatts, a period of use of seven years or 5,000 hours of operation, whichever first occurs.

(C) For engines rated at or above 37 kilowatts, a period of use of ten years or 8,000 hours of operation, whichever first occurs.

(m) "Vehicle or engine manufacturer" means the manufacturer granted certification for a motor vehicle or motor vehicle engine.

(n) "Voluntary Emission Recall" means an inspection, repair, adjustment, or modification program voluntarily initiated and conducted by a manufacturer or its agent or representative to remedy any nonconformity for which direct notification of vehicle or engine owners is necessary.

Appendix A to Article 2.1

California In-Use Vehicle Emission-Related Recall Procedures, Enforcement Test Procedures, and Failure Reporting Procedures for 1982 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, Medium-Duty Vehicles, Heavy-Duty Vehicles and Engines, Motorcycles, 1997 and Subsequent Model-Year Off-Road Motorcycles and All-Terrain Vehicles, and 2000 and Subsequent Model-Year Off-Road Compression-Ignition Engines.

Vehicle and Engine Parameters, Components, and Specifications

I. Passenger Car, Light-Duty Truck, Medium-Duty Vehicle and Motorcycle Parameters and Specifications

A. Basic Engine Parameters--Reciprocating Engines.

1. Compression ratio.
2. Cranking compression pressure.
3. Valves (intake and exhaust).
 - a. Head diameter dimension.
 - b. Valve lifter or actuator type and valve lash dimension.
4. Turbocharger calibrations.
5. Camshaft timing.
 - a. Valve opening (degrees BTDC).
 - b. Valve closing (degrees ATDC).
 - c. Valve overlap (inch-degrees).

B. Basic Engine Parameters--Rotary Engines.

1. Intake port(s): Timing and overlap if exposed to the combustion chamber.
2. Exhaust port(s): Timing and overlap if exposed to the combustion chamber.
3. Cranking compression pressure.
4. Compression ratio.

C. Air Inlet System: Temperature control system calibration.

D. Fuel System.

1. General
 - a. Engine idle speed.

- b. Engine idle mixture.
 - 2. Carburetion.
 - a. Air-fuel flow calibration.
 - b. Transient enrichment system calibration.
 - c. Starting enrichment system calibration.
 - d. Altitude compensation system calibration.
 - e. Hot idle compensation system calibration.
 - 3. Fuel injection.
 - a. Control parameters and calibrations.
 - b. Fuel shutoff system calibration.
 - c. Starting enrichment system calibration.
 - d. Transient enrichment system calibration.
 - e. Air-fuel flow calibration.
 - f. Altitude compensation system calibration.
 - g. Operating pressure(s).
 - h. Injector timing calibrations.
- E. Ignition System.
 - 1. Control parameters and calibrations.
 - 2. Initial timing setting.
 - 3. Dwell setting.
 - 4. Altitude compensation system calibration.
 - 5. Spark plug voltage.
- F. Engine Cooling System: Thermostat calibration.
- 456G. Exhaust Emission Control system.
 - 1. Air injection system.
 - a. Control parameters and calibrations.
 - b. EGR valve flow calibration.
 - 2. EGR system.
 - a. Control parameters and calibrations.
 - b. EGR valve flow calibration.
 - 3. Catalytic converter system.
 - a. Active surface area.
 - b. Volume of catalyst.
 - c. Conversion efficiency.
 - d. Leaded fuel restrictor or constricted fuel filler neck.
 - 4. Backpressure.
- H. Evaporative Emission Control System.
 - 1. Control parameters and calibrations.
 - 2. Fuel tank.
 - a. Pressure and vacuum relief settings.
 - b. Fuel fill pipe and opening specifications (Reference section 2290, Title 13, C.C.R.).
- I. Crankcase Emission Control System.
 - 1. Control parameters and calibrations.
 - 2. Valve calibration(s).
- J. Auxiliary Emission Control Devices (AECD).
 - 1. Control parameters and calibrations.
 - 2. Component calibration(s).
- K. Emission Control Related Malfunction and Diagnostic Systems.
 - 1. On-Board Malfunction and Diagnostic Systems
 - a. Control parameters and calibrations.
 - b. Component calibration(s).
 - 2. Emission Control Related Warning Systems
 - a. Control parameters and calibrations.
 - b. Component calibration(s).
- L. Driveline Parameters.
 - 1. Axle ratio(s).
- II. Heavy-Duty Gasoline Engine Parameters and Specifications.

A. Basic Engine Parameters.

1. Compression ratio.
2. Cranking compression pressure.
3. Supercharger/turbocharger calibration.
4. Valves (intake and exhaust).
 - a. Head diameter dimension.
 - b. Valve lifter or actuator type and valve lash dimension.
5. Camshaft timing.
 - a. Valve opening (degrees BTDC).
 - b. Valve closing (degrees ATDC).
 - c. Valve overlap (inch-degrees).

B. Air Inlet System: Temperature control system calibration.

C. Fuel System.

1. General.
 - a. Engine idle speed.
 - b. Engine idle mixture.
2. Carburetion.
 - a. Air-fuel flow calibration.
 - b. Transient enrichment system calibration.
 - c. Starting enrichment system calibration.
 - d. Altitude compensation system calibration.
 - e. Hot idle compensation system calibration.
3. Fuel injection.
 - a. Control parameters and calibrations.
 - b. Fuel shutoff system calibration.
 - c. Starting enrichment system calibration.
 - d. Transient enrichment system calibration.
 - e. Air-fuel flow calibration.
 - f. Altitude compensation system calibration.
 - g. Operating pressure(s).
 - h. Injector timing calibrations.

D. Ignition System.

1. Control parameters and calibrations.
2. Initial timing setting.
3. Dwell setting.
4. Altitude compensation system calibration.
5. Spark plug voltage.

E. Engine Cooling System: Thermostat calibration.

F. Exhaust Emission Control system.

1. Air injection system.
 - a. Control parameters and calibrations.
 - b. Pump flow rate.
2. EGR system.
 - a. Control parameters and calibrations.
 - b. EGR valve flow calibration.
3. Catalytic converter system.
 - a. Active surface area.
 - b. Volume of catalyst.
 - c. Conversion efficiency.
 - d. Leaded fuel restrictor or constricted fuel filler neck.
4. Backpressure.

G. Evaporative Emission Control System.

1. Control parameters and calibrations.
2. Fuel tank.
 - a. Pressure and vacuum relief settings.
 - b. Fuel fill pipe and opening specifications (Reference section 2290, Title 13, C.C.R.).

- H. Crankcase Emission Control System.
 - 1. Control parameters and calibrations.
 - 2. Valve calibration(s).
- I. Auxiliary Emission Control Devices (AECD).
 - 1. Control parameters and calibrations.
 - 2. Component calibration(s).
- J. Emission Control Related Warning Systems.
 - 1. Control parameters and calibrations.
 - 2. Component calibration(s).
- III. Heavy-Duty Diesel Engine and Off-Road Compression-Ignition Engine Parameters and Specifications.
 - A. Basic Engine Parameters--Four Stroke Cycle Reciprocating Engines.
 - 1. Compression ratio.
 - 2. Cranking compression pressure.
 - 3. Supercharger/turbocharger calibration.
 - 4. Valves (intake and exhaust).
 - a. Head diameter dimension.
 - b. Valve lifter or actuator type and valve lash dimension.
 - 5. Camshaft timing.
 - a. Valve opening (degrees BTDC).
 - b. Valve closing (degrees ATDC).
 - c. Valve overlap (inch-degrees).
 - B. Basic Engine Parameters--Two Stroke Cycle Reciprocating Engine.
 - 1-5. Same as section III.A.
 - 6. Intake port(s): Timing in combustion cycle.
 - 7. Exhaust port(s): Timing in combustion cycle.
 - C. Air Inlet System: Temperature control system calibration.
 - 1. Temperature control system calibration.
 - 2. Maximum allowable air inlet restriction.
 - D. Fuel System.
 - 1. Fuel injection.
 - a. Control parameters and calibrations.
 - b. Transient enrichment system calibration.
 - c. Air-fuel flow calibration.
 - d. Altitude compensation system calibration.
 - e. Operating pressure(s).
 - f. Injector timing calibration.
 - E. Exhaust Emission Control System: Maximum allowable backpressure.
 - F. Crankcase Emission Control System.
 - 1. Control parameters and calibrations.
 - 2. Valve calibration(s).
 - G. Auxiliary Emission Control Device (AECD).
 - 1. Control parameters and calibrations.
 - 2. Component calibration(s).

NOTE: Authority cited: Sections 39600, 39601, 43013, 43018, 43101, 43104 and 43105, Health and Safety Code Reference: Sections 39002, 39003, 43000, 43009.5, 43013, 43018, 43100, 43101, 43101.5, 43102, 43104, 43105, 43106, 43107 and 43204-43205.5, Health and Safety Code.

REFERENCE

§ 2113. Initiation and Approval of Voluntary and Influenced Emission-Related Recalls.

(a) When any manufacturer initiates a voluntary emission recall campaign, the manufacturer shall notify the Executive Officer of the recall at least 30 days before owner notification is to begin. The manufacturer shall also submit a voluntary recall plan for approval, as prescribed under Section 2114 of

these procedures. A voluntary recall plan shall be deemed approved unless disapproved by the Executive Officer within 20 days after receipt of the recall plan.

(b) When any manufacturer, based on enforcement test results or any other information provided or required by the ARB, proposes to initiate an influenced emission recall campaign, the manufacturer shall submit for approval by the Executive Officer an influenced emission recall plan as prescribed by Section 2114 of these procedures. The plan shall be submitted within 45 days following the receipt of a notification from the ARB that enforcement test results or other information demonstrate a vehicle or an engine noncompliance.

(c) The Executive Officer shall approve the recall plan if the plan contains the information specified in Section 2114 and is designed to notify the vehicle owner and correct the nonconformity in an expeditious manner. Notification of vehicle or engine owners and the implementation of recall repairs shall commence no later than the schedule specified under Section 2114(a)(3) and (4), unless the manufacturer can show good cause for the Executive Officer to extend the deadline.

NOTE: Authority cited: Sections 39600, 39601, 43013, 43018 and 43105, Health and Safety Code. Reference: Health and Safety Code Sections 43000, 43009.5, 43013, 43018, 43101, 43104, 43105, 43106, 43107 and 43204-43205.5, Health and Safety Code.

REFERENCE

§ 2114. Voluntary and Influenced Recall Plans.

(a) The recall plan for both voluntary and influenced recalls shall contain the following information unless otherwise specified:

(1) A description of each class or category of vehicle or engine subject to recall including the number of vehicles or engines to be recalled, the engine family, test group or a subgroup thereof, the model year, the make, the model, and such other information as may be required to identify the vehicles or engines to be recalled.

(2) A description of the nonconformity and the specific modifications, alterations, repairs, adjustments, or other changes to be made to correct the vehicles or engines.

(3) A description of the method by which the manufacturer will determine the names and addresses of vehicle or engine owners and the manufacturer's method and schedule for notifying the service facilities and vehicle or engine owners of the recall.

(4) A description of the procedure to be followed by vehicle or engine owners to obtain correction of the nonconformity. This shall include the date on or after which the owner can have the nonconformity remedied, the time reasonably necessary to perform the labor to remedy the nonconformity, and the designation of facilities at which the nonconformity can be remedied.

(5) If some or all of the nonconforming vehicles or engines are to be remedied by persons other than dealers or authorized warranty agents of the manufacturer, a description of such class of persons.

(6) A copy of the letter of notification to be sent to vehicle or engine owners.

(7) A description of the system by which the manufacturer will assure that an adequate supply of parts will be available to perform the repair under the recall plan, including the date by which an adequate supply of parts will be available to initiate the repair campaign, and the method to be used to assure the supply remains both adequate and responsive to owner demand.

(8) A copy of all necessary instructions to be sent to those persons who are to perform the repair.

(9) A description of the impact of the proposed repairs or adjustments on fuel economy, driveability, performance and safety of each class or category of vehicles or engines to be recalled and a brief summary of the data, technical studies, or engineering evaluations which support these descriptions.

(10) Under an influenced recall, an estimate of the capture rate from the proposed recall derived from actual data and/or manufacturer experience. A 60 percent capture rate shall be assigned for recalls based exclusively on noncompliance as defined in Section 2112(h)(1), above.

(11) Under an influenced recall based on noncompliance as defined in Section 2112(h)(2), above, a description of the impact of the proposed changes on the average emissions from the vehicles or engines to be recalled. The description shall contain the following:

(A) Average noncompliance emission levels.

(B) Average emission reduction per pollutant resulting from the recall repair. These averages shall be verified by the manufacturer by applying the proposed recall repairs to two or more in-use vehicles or engines representing the average noncompliance emission levels. Only those vehicles or engines with baseline-emission levels within 25 percent of the average emission levels of noncomplying pollutant(s)

established under the in-use enforcement test program may be used by manufacturers to verify proposed recall repairs. The Executive Officer may allow the use of vehicles or engines exceeding these limits if none which meet the limits can be reasonably procured. In the case of heavy-duty engines, the average emission levels may be verified using laboratory engines, subject to approval by the Executive Officer.

(C) An estimate of the average emission level per pollutant for the class or category of vehicles or engines after repair as corrected by the estimated capture rate. The estimated average emission level shall comply with the applicable emission standard. The Executive Officer may waive the requirement for average emission compliance with the standards provided the emission level per vehicle repaired is reduced to its new-vehicle certification emission level at a minimum capture rate of 60 percent.

NOTE: Authority cited: Sections 39600, 39601, 43013, 43018 and 43105, Health and Safety Code. Reference: Health and Safety Code Sections 43000, 43009.5, 43013, 43018, 43101, 43104, 43105, 43106, 43107 and 43204-43205.5, Health and Safety Code.

REFERENCE

§ 2115. Eligibility for Repair.

The manufacturer shall not condition eligibility for repair on the proper maintenance or use of the vehicle except for strong and compelling reasons and with the approval of the Executive Officer; however, the manufacturer shall not be obligated to repair a component which has been removed or altered so that the remedial action cannot be performed without additional cost.

NOTE: Authority cited: Sections 39600, 39601, 43013, 43018 and 43105, Health and Safety Code. Reference: Health and Safety Code Sections 43000, 43009.5, 43013, 43018, 43101, 43104, 43105, 43106, 43107 and 43204-43205.5, Health and Safety Code.

REFERENCE

§ 2116. Repair Label.

(a) The manufacturer shall require those who perform the repair to affix a label to each vehicle or engine repaired, or, when required, inspected, under the voluntary or influenced recall plan.

(b) The label shall be placed in a location approved by the Executive Officer and shall be fabricated of a material suitable for such location in which it is installed and which is not readily removable.

(c) The label shall contain the recall campaign number and a code designating the campaign facility at which the repair, or inspection for repair, was performed.

NOTE: Authority cited: Sections 39600, 39601, 43013, 43018 and 43105, Health and Safety Code. Reference: Health and Safety Code Sections 43000, 43009.5, 43013, 43018, 43101, 43104, 43105, 43106, 43107 and 43204-43205.5, Health and Safety Code.

REFERENCE

§ 2117. Proof of Correction Certificate.

The manufacturer shall require those who perform the repair to provide the owner for each vehicle or engine repaired with a certificate, in a format prescribed by the Executive Officer, which indicates that the noncomplying vehicle or engine has been corrected under the recall program. This requirement shall become effective and applicable upon the effective date of a recall enforcement program adopted by the Department of Motor Vehicles or another state agency which requires presentation of proof of correction of a recalled vehicle prior to issuance of a smog certificate, registration renewal, or other entitlement to use.

NOTE: Authority cited: Sections 39600, 39601, 43013, 43018 and 43105, Health and Safety Code. Reference: Health and Safety Code Sections 43000, 43009.5, 43013, 43018, 43101, 43104, 43105, 43106, 43107 and 43204-43205.5, Health and Safety Code.

REFERENCE

§ 2118. Notification.

The notification of vehicle or engine owners shall contain the following:

(a) The statement: "Your (vehicle or engine) (is or may be) releasing air pollutants which exceed (California or California and federal) standards," if applicable as determined by the Executive Officer.

(b) A statement that the nonconformity of any such vehicles or engines will be remedied at the expense of the manufacturer.

(c) A statement that such nonconformity if not repaired may cause the vehicle or engine to fail a vehicle inspection or Smog Check test when such tests are required under state law.

(d) A statement describing the adverse effect, if any, of the uncorrected nonconformity on the performance, fuel economy, or durability of the vehicle or engine.

(e) After the effective date of the recall enforcement program referred to in Section 2117, a statement that a certificate showing that the vehicle has been repaired under the recall program shall be issued by the service facilities, and that such a certificate will be required as a condition of vehicle registration or operation, as appropriate.

(f) A card to be used by a vehicle or engine owner in the event the vehicle or engine to be recalled has been sold. Such card should be addressed to the manufacturer, have postage paid, and shall provide a space in which the owner may indicate the name and address of the person to whom the vehicle or engine was sold or transferred.

(g) The statement: "In order to ensure your full protection under the emission warranty provisions, it is recommended that you have your (vehicle or engine) serviced as soon as possible. Failure to do so could be determined as lack of proper maintenance of your (vehicle or engine)." This statement is not required for off-road motorcycles or all-terrain vehicles.

(h) A telephone number provided by the manufacturer, which may be used to report difficulty in obtaining recall repairs.

NOTE: Authority cited: Sections 39600, 39601, 43013, 43018 and 43105, Health and Safety Code. Reference: Health and Safety Code Sections 43000, 43009.5, 43013, 43018, 43101, 43104, 43105, 43106, 43107 and 43204-43205.5, Health and Safety Code.

REFERENCE

§ 2119. Recordkeeping and Reporting Requirements.

(a) Unless otherwise specified by the Executive Officer, the manufacturer shall report on the progress of the recall campaign by submitting subsequent reports for six consecutive quarters commencing with the quarter after the recall campaign begins. Such reports shall be submitted no later than 25 days after the close of each calendar quarter to: Chief, Mobile Source Operations Division, 9528 Telestar, El Monte, CA 91731. For each class or category of vehicle or engine subject to the emission recall campaign, the quarterly report shall contain the following:

- (1) Engine family or test group and emission recall campaign number designated by the manufacturer.
 - (2) Date owner notification was begun, and date completed.
 - (3) Number of vehicles or engines involved in the voluntary or influenced emission recall campaign.
 - (4) Number of vehicles or engines known or estimated to be affected by the nonconformity and an explanation of the means by which this number was determined.
 - (5) Number of vehicles or engines inspected pursuant to the voluntary or influenced emission recall plan.
 - (6) Number of inspected vehicles or engines found to be affected by the nonconformity.
 - (7) Number of vehicles or engines receiving repair under the recall plan.
 - (8) Number of vehicles or engines determined to be unavailable for inspection or repair under the recall plan due to exportation, theft, scrapping, or for other reasons (specify).
 - (9) Number of vehicles or engines determined to be ineligible for recall action due to removed or altered components.
 - (10) A listing of the identification numbers of vehicles or engines subject to recall but for whose repair the manufacturer has not been invoiced. This listing shall be supplied in a standardized computer data storage device to be specified by the Executive Officer. The frequency of this submittal may be changed by the Executive Officer depending on the needs of recall enforcement.
 - (11) A copy of any service bulletins transmitted to dealers or other authorized repair facilities which relate to the nonconformity to be corrected and which have not previously been reported.
 - (12) A copy of all communications transmitted to vehicle or engine owners which relate to the nonconformity and which have not previously been submitted.
- (b) If the manufacturer determines that any of the information submitted to the Executive Officer pursuant to (a) above has changed or was incorrect, revised information and an explanatory note shall be submitted. Responses to subsections (a)(5), (6), (7), (8), and (9) above shall be cumulative totals.
- (c) The manufacturer shall maintain in a form suitable for inspection, such as computer information storage devices or card files, and shall make available to the Executive Officer or his or her authorized representative upon request, the names and addresses of vehicle or engine owners:
- (1) To whom notification was given;

- (2) Whose vehicles were repaired or inspected under the recall plan; and
- (3) Who were determined not to qualify for such recall action due to removed or altered components.
- (d) The information gathered by the manufacturer to compile the reports required by these procedures shall be retained for not less than one year beyond the useful life of the vehicles or engines and shall be made available to authorized personnel of the Air Resources Board upon request.

NOTE: Authority cited: Sections 39600, 39601, 43013, 43018 and 43105, Health and Safety Code. Reference: Health and Safety Code Sections 43000, 43009.5, 43013, 43018, 43101, 43104, 43105, 43106, 43107 and 43204-43205.5, Health and Safety Code.

REFERENCE

§ 2120. Other Requirements Not Waived.

The filing of any report under the provisions of these procedures shall not affect a manufacturer's responsibility to file reports or applications, obtain approval, or give notice under any other provisions of law.

NOTE: Authority cited: Sections 39600, 39601, 43013, 43018 and 43105, Health and Safety Code. Reference: Health and Safety Code Sections 43000, 43009.5, 43013, 43018, 43101, 43104, 43105, 43106, 43107 and 43204-43205.5, Health and Safety Code.

REFERENCE

§ 2121. Penalties.

Under the influenced recall, failure by a manufacturer to notify the vehicle or engine owners and repair the vehicles or engines in the manner specified in the plan shall constitute a violation of the Executive Officer's order approving the plan and a violation of Health and Safety Code Section 43105. Notwithstanding the above, no penalty shall be imposed for a manufacturer's failure to meet the estimated capture rate except for an influenced recall when the 60-percent capture rate is required pursuant to Section 2114(a)(10) above, in which case a recall pursuant to Section 2123 below may be ordered if the Executive Officer determines that the manufacturer did not show a good faith effort to achieve the capture rate set forth in the recall plan.

NOTE: Authority cited: Sections 39600, 39601, 43013, 43018 and 43105, Health and Safety Code. Reference: Health and Safety Code Sections 43000, 43009.5, 43013, 43018, 43101, 43104, 43105, 43106, 43107 and 43204-43205.5, Health and Safety Code.

REFERENCE

Division 3. Air Resources Board

Chapter 2. Enforcement of Vehicle Emission Standards and Surveillance Testing

Article 2.2. Procedures for In – Use Vehicle Ordered Recalls

§ 2122. General Provisions.

The provisions regarding applicability of the ordered recall procedures and the definitions shall be the same as those set forth in Title 13, California Code of Regulations, Sections 2111 and 2112.

Note: Authority Cited: Sections 39600, 39601, 43013, 43018 and 43105, Health and Safety Code. Reference: Health and Safety Code Sections 43000, 43009.5, 43013, 43018, 43101, 43105, 43106, 43107, and 43204-43205.5, Health and Safety Code.

REFERENCE

§ 2123. Initiation and Notification of Ordered Emission-Related Recalls.

(a) A manufacturer shall be notified whenever the Executive Officer has determined, based on warranty information reports, field information reports, enforcement testing results, or any other information, that a substantial number of a class or category of vehicles or engines produced by that manufacturer, although properly maintained and used, contain a failure in an emission-related component which, if uncorrected, may result in the vehicles' or engines' failure to meet applicable standards over their useful lives; or whenever a class or category of vehicles or engines within their useful lives, on average, do

not conform to the standards prescribed pursuant to Section 43101 of the Health and Safety Code as applicable to the model year of such vehicles.

(b) It shall be presumed for purposes of this section that an emission-related failure will result in the exceedance of emission standards unless the manufacturer presents evidence in accordance with the procedures set forth in Title 13, California Code of Regulations, Section 2147 which demonstrates to the satisfaction of the Executive Officer that the failure will not result in exceedance of emission standards over the useful life of the vehicle or engine.

(c) The notification shall include a description of each class or category of vehicles or engines encompassed by the determination of nonconformity, shall set forth the factual basis for the determination and shall designate a date at least 45 days from the date of receipt of such notification by which the manufacturer shall submit a plan to remedy the nonconformity.

NOTE: Authority cited: Sections 39600, 39601, 43013, 43018 and 43105, Health and Safety Code. Reference: Health and Safety Code Sections 43000, 43009.5, 43013, 43018, 43101, 43104, 43105, 43106, 43107 and 43204-43205.5, Health and Safety Code.

REFERENCE

§ 2124. Availability of Public Hearing.

(a) The manufacturer may request a public hearing pursuant to the procedures set forth in Sections 60040 to 60053, Title 17, California Code of Regulations to contest the finding of nonconformity and the necessity for or the scope of any ordered corrective action.

(b) If a manufacturer requests a public hearing pursuant to subsection (a) above, and if the Executive Officer's determination of nonconformity is confirmed at the hearing, the manufacturer shall submit the recall plan required by Section 2125 within 30 days after receipt of the Board's decision.

NOTE: Authority cited: Sections 39600, 39601, 43013, 43018 and 43105, Health and Safety Code. Reference: Health and Safety Code Sections 43000, 43009.5, 43013, 43018, 43101, 43104, 43105, 43106, 43107 and 43204-43205.5, Health and Safety Code.

REFERENCE

§ 2125. Ordered Recall Plan.

(a) Unless a public hearing is requested by the manufacturer, a recall plan shall be submitted to the Chief, Mobile Source Operations Division, 9528 Telstar Avenue, El Monte, CA 91731, within the time limit specified in the notification. The Executive Officer may grant the manufacturer an extension upon good cause shown.

(b) The recall plan shall contain the following:

(1) A description of each class or category of vehicle or engine to be recalled, including the engine family or sub-group thereof, the model-year, the make, the model, and such other information as may be required to identify the vehicles or engines to be recalled.

(2) A description of the nonconformity and the specific modifications, alterations, repairs, corrections, adjustments or other changes to be made to bring the vehicles or engines into conformity including a brief summary of the data and technical studies which support the manufacturer's decision regarding the specific corrections to be made.

(3) A description of the method by which the manufacturer will determine the names and addresses of vehicle or engine owners and the method by which they will be notified.

(4) A description of the procedure to be followed by vehicle or engine owners to obtain correction of the nonconformity including the date on or after which the owner can have the nonconformity remedied, the time reasonably necessary to perform the labor required to correct the nonconformity, and the designation of facilities at which the nonconformity can be remedied. The repair shall be completed within a reasonable time designated by the Executive Officer from the date the owner delivers the vehicle or engine for repair. This requirement becomes applicable on the date designated by the manufacturer as the date on or after which the owner can have the nonconformity remedied.

(5) If some or all of the nonconforming vehicles or engines are to be remedied by persons other than dealers or authorized warranty agents of the manufacturer, a description of such class of persons and a statement indicating that the participating members of the class will be properly equipped to perform such remedial action.

(6) The capture rate required for each class or category of vehicle or engine to be recalled. Under recalls based on exceedance of emission standards, the capture rate shall be calculated using the following formula:

$$R = \frac{(Ef - Es) \times 100\%}{?}$$

where: R = capture rate (see section 2112(a), above, for definition).

? = average reduction per vehicle resulting from the recall repair (see subsection (b)(12)(B), below, for determination).

Ef = average noncompliance emission level determined from in-use enforcement testing and other sources.

Es = emission standard for a particular pollutant.

An 80 percent capture rate shall be required for recalls based exclusively on noncompliance as defined in section 2112(h)(1), above.

(7) The plan may specify the maximum incentives (such as a tune-up or specified quantity of gasoline), if any, the manufacturer will offer to induce vehicle or engine owners to present their vehicles for repair, as evidence that the manufacturer has made a good faith effort to repair the percentage of vehicles or engines specified in the plan. The plan shall include a schedule for implementing actions to be taken including identified increments of progress towards implementation and deadlines for completing each such increment.

(8) A copy of the letter of notification to be sent to vehicle or engine owners.

(9) A description of the system by which the manufacturer will assure that an adequate supply of parts will be available to perform the repair under the recall plan including the date by which an adequate supply of parts will be available to initiate the repair campaign, and the method to be used to assure the supply remains both adequate and responsive to owner demand.

(10) A copy of all necessary instructions to be sent to those persons who are to perform the repair under the recall plan.

(11) A description of the impact of the proposed changes on fuel economy, driveability, performance and safety of each class or category of vehicles or engines to be recalled and a brief summary of the data, technical studies, or engineering evaluations which support these descriptions.

(12) A description of the impact of the proposed changes on the average emissions of the vehicles or engines to be recalled based on noncompliance as defined in section 2112(h)(2), above. The description shall contain the following:

(A) Average noncompliance emission levels.

(B) Average emission reduction or increase per pollutant resulting from the recall repair. These averages shall be verified by the manufacturer by applying the proposed recall repairs to two or more in-use vehicles or engines representing the average noncompliance emission levels. Only those vehicles or engines with baseline emission levels within 25 percent of the average emission levels of noncomplying pollutant(s) established under the in-use enforcement test program may be used by manufacturers to verify proposed recall repairs. The Executive Officer may allow the use of vehicles or engines exceeding these limits if none which meet the limits can be reasonably procured. In the case of heavy-duty engines, the average emission levels may be verified by using laboratory engines, subject to approval by the Executive Officer.

(C) An estimate of the average emission level per pollutant for a class or category of vehicles or engines after repair as corrected by the required capture rate. The estimated average emission level shall comply with the applicable emission standards. If the average emissions levels achieved by applying the average emission reduction per vehicle or engine after repair and the estimated capture rate, do not achieve compliance with the emissions standards, a manufacturer shall propose other measures to achieve average emissions compliance.

(13) Any other information, reports, or data which the Executive Officer may reasonably determine to be necessary to evaluate the recall plan.

NOTE: Authority cited: Sections 39600, 39601, 43013, 43018 and 43105, Health and Safety Code. Reference: Health and Safety Code Sections 43000, 43009.5, 43013, 43018, 43101, 43104, 43105, 43106, 43107 and 43204-43205.5, Health and Safety Code.

REFERENCE

§ 2126. Approval and Implementation of Recall Plan.

(a) If the Executive Officer finds that the recall plan is designed effectively to correct the nonconformity and complies with the provisions of Section 2125, he or she will so notify the manufacturer in writing. Upon receipt of the approval notice from the Executive Officer, the manufacturer shall commence implementation of the approved plan. Notification of vehicle or engine owners and the implementation of recall repairs shall commence within 45 days of the receipt of notice unless the manufacturer can show good cause for the Executive Officer to extend the deadline.

(b) If the Executive Officer does not approve the recall plan or the mitigation measures provided in Section 2130 as submitted, the Executive Officer shall order modification of the plan or mitigation measures with such changes and additions as he or she determines to be necessary. The Executive Officer shall notify the manufacturer in writing of the disapproval and the reasons for the disapproval.

(c) The manufacturer may contest the Executive Officer's disapproval by requesting a public hearing pursuant to the procedures set forth in Sections 60040 to 60053, Title 17, California Code of Regulations. As a result of the hearing, the Board may affirm, overturn or modify the Executive Officer's action. In its decision, affirming or modifying, the Board shall specify the date by which the manufacturer shall commence notifying vehicle or engine owners and implementing the required recall repairs.

(d) If no public hearing is requested in accordance with (c) above, the manufacturer shall incorporate the changes and additions required by the Executive Officer and shall commence notifying vehicle or engine owners and implementing the required recall repairs within 60 days of the manufacturer's receipt of the Executive Officer's disapproval.

NOTE: Authority cited: Sections 39600, 39601, 43013, 43018 and 43105, Health and Safety Code. Reference: Health and Safety Code Sections 43000, 43009.5, 43013, 43018, 43101, 43104, 43105, 43106, 43107 and 43204-43205.5, Health and Safety Code.

REFERENCE

§ 2127. Notification of Owners.

(a) Notification to vehicle or engine owners shall be made by first class mail or by such other means as approved by the Executive Officer provided, that for good cause, the Executive Officer may require the use of certified mail to ensure an effective notification.

(b) The manufacturer shall use all reasonable means necessary to locate vehicle or engine owners provided, that for good cause, the Executive Officer may require the manufacturer to use motor vehicle registration lists available from State or commercial sources to obtain the names and addresses of vehicle or engine owners to ensure effective notification.

(c) The Executive Officer may require subsequent notification by the manufacturer to vehicle or engine owners by first class mail or other reasonable means provided, that for good cause, the Executive Officer may require the use of certified mail to ensure effective notification.

(d) The notification of vehicle or engine owners shall contain the following:

(1) The statement: "the California Air Resources Board has determined that your (vehicle or engine) (is or may be) releasing air pollutants which exceed (California or California and Federal) standards. These standards were established to protect your health and welfare from the dangers of air pollution."

(2) A statement that the nonconformity of any such vehicles or engines will be remedied at the expense of the manufacturer.

(3) A statement that eligibility may not be denied solely on the basis that the vehicle or engine owner used parts not manufactured by the original equipment vehicle manufacturer, or had repairs performed by outlets other than the vehicle or engine manufacturer's franchised dealers.

(4) A clear description of the components which will be affected by the recall action and a general statement of the measures to be taken to correct the nonconformity.

(5) A statement that such nonconformity, if not repaired, may cause the vehicle or engine to fail an emission inspection or Smog Check test when such tests are required under State law.

(6) A description of the adverse effects, if any, that an uncorrected nonconformity would have on the performance, fuel economy, or driveability of the vehicle or engine or to the function of other engine components.

(7) A description of the procedure which the vehicle or engine owner should follow to obtain correction of the nonconformity including the date on or after which the owner can have the nonconformity

remedied, the time reasonably necessary to correct the nonconformity, and a designation of the facilities at which the nonconformity can be remedied.

(8) After the effective date of the recall enforcement program referred to in Section 2117, above, a statement that a certificate showing that the vehicle has been repaired under the recall program shall be issued by the service facilities and that such a certificate may be required as a condition of vehicle registration or operation, as applicable.

(9) A card to be used by a vehicle or engine owner in the event the vehicle or engine to be recalled has been sold. Such card should be addressed to the manufacturer, have postage paid, and shall provide a space in which the owner may indicate the name and address of the person to whom the vehicle or engine was sold.

(10) The statement: "In order to ensure your full protection under the emission warranty made applicable to your (vehicle or engine) by State or Federal law, and your right to participate in future recalls, it is recommended that you have your (vehicle or engine) serviced as soon as possible. Failure to do so could be determined to be a lack of proper maintenance of your (vehicle or engine)." This statement is not required for off-road motorcycles or all-terrain vehicles.

(11) A telephone number provided by the manufacturer, which may be used to report difficulty in obtaining recall repairs.

(e) The manufacturer shall not condition eligibility for repair on the proper maintenance or use of the vehicle except for strong or compelling reasons and with approval of the Executive Officer; however, the manufacturer shall not be obligated to repair a component which has been removed or altered so that the recall action cannot be performed without additional cost.

(f) No notice sent pursuant to Section 2125(b)(8), above, nor any other communication sent to vehicle or engine owners or dealers shall contain any statement, express or implied, that the nonconformity does not exist or will not degrade air quality.

(g) The manufacturer shall be informed of any other requirements pertaining to the notification under this section which the Executive Officer has determined are reasonable and necessary to ensure the effectiveness of the recall campaign.

NOTE: Authority cited: Sections 39600, 39601, 43013, 43018 and 43105, Health and Safety Code. Reference: Health and Safety Code Sections 43000, 43009.5, 43013, 43018, 43101, 43104, 43105, 43106, 43107 and 43204-43205.5, Health and Safety Code.

REFERENCE

§ 2128. Repair Label.

(a) The manufacturer shall require those who perform the repair under the recall plan to affix a label to each vehicle or engine repaired or, when required, inspected under the recall plan.

(b) The label shall be placed in a location as approved by the Executive Officer and shall be fabricated of a material suitable for such location and which is not readily removable.

(c) The label shall contain the recall campaign number and a code designating the facility at which the repair, inspection for repair, was performed.

NOTE: Authority cited: Sections 39600, 39601, 43013, 43018 and 43105, Health and Safety Code. Reference: Health and Safety Code Sections 43000, 43009.5, 43013, 43018, 43101, 43104, 43105, 43106, 43107 and 43204-43205.5, Health and Safety Code.

REFERENCE

§ 2129. Proof of Correction Certificate.

The manufacturer shall require those who perform the recall repair to provide the owner of each vehicle or engine repaired with a certificate, through a protocol and in a format prescribed by the Executive Officer, which indicates that the noncomplying vehicle or engine has been corrected under the recall program. This requirement shall become effective and applicable upon the effective date of the recall enforcement program referred to in Section 2117, above.

NOTE: Authority cited: Sections 39600, 39601, 43013, 43018 and 43105, Health and Safety Code. Reference: Health and Safety Code Sections 43000, 43009.5, 43013, 43018, 43101, 43104, 43105, 43106, 43107 and 43204-43205.5, Health and Safety Code.

REFERENCE

§ 2130. Capture Rates and Alternative Measures.

The manufacturer shall comply with the capture rate specified in the recall plan as determined pursuant to Section 2125(b)(6), above, within six consecutive quarters beginning with the quarter in which the notification of vehicle or engine owners was initiated. If, after good faith efforts, the manufacturer cannot correct the percentage of vehicles specified in the plan by the applicable deadlines and cannot take other measures to bring the engine family or test group into compliance with the standards, the manufacturer shall propose mitigation measures to offset the emissions of the unrepaired vehicles within 45 days from the last report filed pursuant to Section 2133(c), below. The Executive Officer shall approve such measures provided that:

- (a) the emission reductions from the recalled and repaired vehicles or engines and the mitigation measures are equivalent to achieving the capture rate; and
- (b) the emission reductions from the mitigation measures are real and verifiable; and
- (c) the mitigation measures are implemented in a timely manner.

NOTE: Authority cited: Sections 39600, 39601, 43013, 43018 and 43105, Health and Safety Code. Reference: Health and Safety Code Sections 43000, 43009.5, 43013, 43018, 43101, 43104, 43105, 43106, 43107 and 43204-43205.5, Health and Safety Code.

REFERENCE

§ 2131. Preliminary Tests.

The Executive Officer may require the manufacturer to conduct tests on components and vehicles or engines incorporating a proposed correction, repair, or modification reasonably designed and necessary to demonstrate the effectiveness of the correction, repair, or modification.

NOTE: Authority cited: Sections 39600, 39601, 43013, 43018 and 43105, Health and Safety Code. Reference: Health and Safety Code Sections 43000, 43009.5, 43013, 43018, 43101, 43104, 43105, 43106, 43107 and 43204-43205.5, Health and Safety Code.

REFERENCE

§ 2132. Communication with Repair Personnel.

The manufacturer shall provide to the Executive Officer a copy of all communications which relate to the recall plan directed to dealers and other persons who are to perform the repair. Such copies shall be mailed to the Executive Officer contemporaneously with their transmission to dealers and other persons who are to perform the repair under the recall plan.

NOTE: Authority cited: Sections 39600, 39601, 43013, 43018 and 43105, Health and Safety Code. Reference: Health and Safety Code Sections 43000, 43009.5, 43013, 43018, 43101, 43104, 43105, 43106, 43107 and 43204-43205.5, Health and Safety Code.

REFERENCE

§ 2133. Recordkeeping and Reporting Requirements.

(a) The manufacturer shall maintain sufficient records to enable the Executive Officer to conduct an analysis of the adequacy of the recall campaign. The records shall include, for each class or category of vehicle or engine, but need not be limited to, the following:

- (1) Engine family involved and recall campaign number as designated by the manufacturer.
- (2) Date owner notification was begun, and date completed.
- (3) Number of vehicles or engines involved in the recall campaign.
- (4) Number of vehicles or engines known or estimated to be affected by the nonconformity.
- (5) Number of vehicles or engines inspected pursuant to the recall plan and found to be affected by the nonconformity.
- (6) Number of inspected vehicles or engines.
- (7) Number of vehicles or engines receiving repair under the recall plan.
- (8) Number of vehicles or engines determined to be unavailable for inspection or repair under the recall plan due to exportation, theft, scrapping, or for other reasons (specify).
- (9) Number of vehicles or engines determined to be ineligible for recall action due to removed or altered components.
- (10) A listing of the identification numbers of vehicles or engines subject to recall but for whose repair the manufacturer has not been invoiced. This listing shall be supplied in a standardized computer data storage device to be specified by the Executive Officer. The frequency of this submittal, as specified in

subsection (c) below, may be changed by the Executive Officer depending on the needs of recall enforcement.

(11) Any service bulletins transmitted to dealers which relate to the nonconformity and which have not previously been submitted.

(12) All communications transmitted to vehicle or engine owners which relate to the nonconformity and which have not previously been submitted.

(b) If the manufacturer determines that the original responses to subsections (a)(3) and (4) of these procedures are incorrect, revised figures and an explanatory note shall be submitted. Responses to subsections (a)(5), (6), (7), (8), and (9) shall be cumulative totals.

(c) Unless otherwise directed by the Executive Officer, the information specified in subsection (a) of these procedures shall be included in six quarterly reports, beginning with the quarter in which the notification of owners was initiated, or until all nonconforming vehicles or engines involved in the campaign have been remedied, whichever occurs sooner. Such reports shall be submitted no later than 25 days after the close of each calendar quarter.

(d) The manufacturer shall maintain in a form suitable for inspection, such as computer information storage devices or card files, and shall make available to the Executive Officer or his or her authorized representative upon request, lists of the names and addresses of vehicle or engine owners:

(1) To whom notification was given;

(2) Who received remedial repair or inspection under the recall plan; and

(3) Who were denied eligibility for repair due to removed or altered components.

(e) The records and reports required by these procedures shall be retained for not less than one year beyond the useful life of the vehicles or engines involved, or one year beyond the reporting time frame specified in subsection (c) above, whichever is later.

NOTE: Authority cited: Sections 39600, 39601, 43013, 43018 and 43105, Health and Safety Code. Reference: Health and Safety Code Sections 43000, 43009.5, 43013, 43018, 43101, 43104, 43105, 43106, 43107 and 43204-43205.5, Health and Safety Code.

REFERENCE

§ 2134. Penalties.

Failure by a manufacturer to carry out all recall actions ordered by the Executive Officer pursuant to Sections 2123 through 2133 of these procedures shall constitute a violation of Health and Safety Code Section 43105.

NOTE: Authority cited: Sections 39600, 39601, 43013, 43018 and 43105, Health and Safety Code. Reference: Health and Safety Code Sections 43000, 43009.5, 43013, 43018, 43101, 43104, 43105, 43106, 43107 and 43204-43205.5, Health and Safety Code.

REFERENCE

§ 2135. Extension of Time.

The Executive Officer may extend any deadline in the plan if he or she finds in writing that a manufacturer has shown good cause for such extension.

NOTE: Authority cited: Sections 39600, 39601, 43013, 43018 and 43105, Health and Safety Code. Reference: Health and Safety Code Sections 43000, 43009.5, 43013, 43018, 43101, 43104, 43105, 43106, 43107 and 43204-43205.5, Health and Safety Code.

REFERENCE

Division 3. Air Resources Board

Chapter 2. Enforcement of Vehicle Emission Standards and Surveillance Testing

Article 2.3. In-Use Vehicle Enforcement Test Procedures

§ 2136. General Provisions.

The provisions regarding applicability of the enforcement test procedures and the definitions shall be the same as those set forth in Title 13, California Code of Regulations, Sections 2111 and 2112.

NOTE: Authority cited: Sections 39600, 39601, 43013, 43018 and 43105, Health and Safety Code. Reference: Health and Safety Code Sections 43000, 43009.5, 43013, 43018, 43101, 43104, 43105, 43106, 43107 and 43204-43205.5, Health and Safety Code.

REFERENCE

§ 2137. Vehicle Selection.

(a) Any vehicle of an engine family, test group, any vehicle of a subgroup of an engine family or test group, or any engine used in a piece of equipment, manufactured for sale in California, shall be subject to these test procedures during its useful life. A minimum of ten (10) in-use vehicles or engines determined by the ARB to be properly maintained and used will be procured and tested by the ARB or its designated laboratory to represent the emission characteristics of the engine family, test group or subgroup. The ARB may test less than ten (10) in-use vehicles or engines if the manufacturer notifies the ARB in writing that the manufacturer will accept the results from less than ten (10) vehicles or engines as being representative of the engine family, test group or subgroup.

(b) No vehicle or engine shall be accepted by the ARB as a representative vehicle or engine for enforcement testing unless the following criteria are met:

(1) California certified and registered.

(2) Odometer indication of less than certified useful-life mileage and vehicle age within useful-life time period.

(3) No indication of abuse (e.g., racing, overloading, misfueling, or other misuse), neglect, improper maintenance or other factors that would have a permanent effect on emission performance.

(4) No major repair to engine or major repair of vehicle resulting from collision.

(5) No indication of any problem that might jeopardize the safety of laboratory personnel.

(6) For off-road compression-ignition engines subject to recall testing, engines shall have an hour meter indication and engine age not exceeding the following periods:

(A) For all engines rated under 19 kilowatts, and for constant-speed engines rated under 37 kilowatts with rated speeds greater than or equal to 3,000 revolutions per minute, four years or 2,250 hours of operation, whichever first occurs.

(B) For all other engines rated above 19 kilowatts and under 37 kilowatts, five years or 3,750 hours of operation, whichever first occurs.

(C) For all engines rated at or above 37 kilowatts, seven years or 6,000 hours of operation, whichever first occurs.

NOTE: Authority cited: Sections 39600, 39601, 43013, 43018 and 43105, Health and Safety Code. Reference: Health and Safety Code Sections 43000, 43009.5, 43013, 43018, 43101, 43104, 43105, 43106, 43107 and 43204-43205.5, Health and Safety Code. §2137. Vehicle and Engine Selection.

REFERENCE

§ 2138. Restorative Maintenance.

(a) Upon accepting a vehicle for testing, the ARB or its designated laboratory will replace the fuel with Indolene Clear or appropriate certification test fuel.

(b) The ARB or its designated laboratory shall perform the following diagnosis or restorative maintenance prior to enforcement testing:

(1) Identify part numbers of all essential emission control system components.

(2) Check air filter, all drive belts, all fluid levels, radiator cap, all vacuum hoses and electrical wiring related to emission control for integrity; check fuel metering and emission control system components for maladjustments and/or tampering. Record all discrepancies.

(3) Check ignition system with oscilloscope and replace any defective components; i.e., spark plugs, wires, etc.

(4) Check compression.

(5) Check and adjust engine parameters to manufacturer's specifications.

(6) Check the OBD system for proper operation.

(7) If the vehicle is within 500 miles of a scheduled maintenance service, that maintenance shall be performed except in the case of off-road motorcycles and all-terrain vehicles. For off-road motorcycles and all-terrain vehicles, all required maintenance shall be performed.

(c) For any enforcement testing conducted by the manufacturer pursuant to title 13, section 2139 (c)(1), California Code of Regulations, the "ARB or its designated laboratory", as stated in subsections (a) and (b), shall refer to the manufacturer or its designated laboratory.

NOTE: Authority cited: Sections 39600, 39601, 43013, 43018 and 43105, Health and Safety Code. Reference: Health and Safety Code Sections 43000, 43009.5, 43013, 43018, 43101, 43104, 43105, 43106, 43107 and 43204-43205.5, Health and Safety Code.

REFERENCE

§ 2139. Testing.

After the vehicles have been accepted and restorative maintenance, if any, has been performed, the ARB or its designated laboratory shall perform the applicable emission tests pursuant to the following:

(a) For passenger cars and light-duty trucks, in-use compliance emission tests shall be performed pursuant to section 1960.1 or 1961, Title 13, California Code of Regulations, as applicable.

(b) For medium-duty vehicles certified according to the chassis standards and test procedures specified in section 1960.1 or 1961, Title 13, California Code of Regulations and the documents incorporated by reference therein, in-use compliance emission tests shall be performed pursuant to section 1960.1 or 1961, Title 13, California Code of Regulations, as applicable.

(c) For medium-duty engines and vehicles certified according to the optional engine test procedures specified in section 1956.8, Title 13, California Code of Regulations and the documents incorporated by reference therein, in-use compliance emission tests shall be performed pursuant to one of the following procedures:

(1) The engines of medium-duty vehicles may be tested pursuant to the engine test procedures specified in section 1956.8, provided that the manufacturer or its designated laboratory conduct procurement and enforcement testing pursuant to Sections 2136 through 2140, Title 13, California Code of Regulation, at the manufacturer's expense.

For manufacturers that have only one engine family or test group, the manufacturer or its designated laboratory that have more than one engine family or test group, the manufacturer or its designated laboratory shall procure no more than fifteen vehicles per engine family or test group. For manufacturers that have more than one engine family or test group, the manufacturer or its designated laboratory shall procure and test at the manufacturer's expense no more than one-third of its engine families or test groups and no more than fifteen vehicles from each engine family or test group. For the purposes of this section, "one-third" of a manufacturer's engine families or test groups shall be determined by dividing the number of distinct engine families or test groups by three, adding 0.5, and truncating the result to the nearest whole number.

The specific engine families or test groups subject to enforcement testing shall be selected by the ARB. The manufacturer or its designated laboratory shall begin the engine procurement process within 10 working days of notification by the ARB and shall complete testing within 100 working days of notification by the ARB. The Executive Officer shall approve the manufacturer's procurement procedures in advance of their use by the manufacturer. The Executive Officer shall approve a manufacturer's procurement procedures if engines are screened according to the criteria specified in section 2137, Title 13, California Code of Regulations and selected randomly from registration records compiled and prepared by R. L. Polk and Company or a comparable source. In addition, no vehicle shall be selected for enforcement testing with mileage less than 60 percent of the useful-life mileage without prior approval from the Executive Officer. The manufacturer shall permit an ARB representative to witness procurement, restorative maintenance, and enforcement testing. The Executive Officer shall have the authority to accept or reject a test engine based upon criteria specified in section 2137. Once an engine has been tested and determined to be in compliance with the current in-use emission standards, no further testing will be performed on subsequent engine families or test groups that carry-over the durability data of the tested engine family or test group.

Notwithstanding the above, if a manufacturer fails to demonstrate compliance with the emission standards after one-third of its engine families or test groups have been tested, additional engine families or test groups shall be tested, by the manufacturer or its designated laboratory, at the manufacturer's expense,

until compliance is demonstrated on one-third of the engine families or test groups or all of a manufacturer's engine families or test groups have been tested. In addition, any engine family or test group which has been tested and determined to be in noncompliance shall be retested by the manufacturer each subsequent year until compliance with the applicable emission standards has been demonstrated. Notwithstanding the above, the ARB may conduct engine enforcement testing pursuant to the engine test procedures specified in section 1956.8, at their own expense.

(2) Medium-duty vehicles may be tested according to the chassis test procedures specified in section 1960.1(k) or 1961, as applicable, if a manufacturer develops correlation factors which establish the relationship between engine and chassis testing for each engine family or test group and submits these correlation factors within one year after the beginning of production. The correlation factors shall be applied to the measured in-use engine exhaust emission data to determine the in-use engine exhaust emission levels. All correlation factors and supporting data included in a manufacturer's application must be submitted to and approved by the Executive Officer in advance of their use by a manufacturer. Correlation factors intended to apply to a specific engine family or test group shall be applicable for each vehicle model incorporating that specific engine. Manufacturers shall submit test data demonstrating the applicability of the correlation factors for vehicle models comprising a minimum of 80 percent of their engine sales for that specific engine family or test group. The correlation factors for the remaining fleet may be determined through an engineering evaluation based upon a comparison with similar vehicle models. The Executive Officer shall approve a submitted correlation factor if it accurately corresponds to other established empirical and theoretical correlation factors and to emission test data available to the Executive Officer.

A manufacturer may choose to use the results from the chassis in-use testing as a screening test. If an engine family or test group does not demonstrate compliance with any of the applicable in-use engine standards, as determined from the chassis test data and the applied correlation factors, the manufacturer shall be subject to the requirements and cost of in-use compliance engine testing, as specified in section 2139(c)(1). The manufacturer shall be subject to engine testing for any non-complying engine family or test group for each subsequent year until compliance with the engine emission standards is demonstrated.

Subsequent to approval of the correlation factors, the Executive Officer may make a determination that the original correlation factors are not valid. Such a determination may be based upon in-use emission data, including chassis and engine testing. Upon determination that the correlation factors for a specific engine family or test group are not valid, the manufacturer of the engine family or test group shall be subject to the enforcement testing requirements and costs of in-use compliance engine testing, as specified in section 2139(c)(1).

(3) The manufacturer shall choose one of the procedures specified in subsections (c)(1) through (c)(2). The Executive Officer shall permit the use of alternative test procedures if the Executive Officer determines the alternative test procedure adequately predicts the exhaust emissions from the engine test procedure specified in section 1956.8, Title 13, California Code of Regulations. Such a determination may be based upon correlation with test data from the engine test procedures.

(4) The time limits specified in subsections (c)(1) and (c)(2) may be extended by the Executive Officer if the manufacturer demonstrates that the time limits specified could not be achieved due to reasons beyond the reasonable control of the.

(d) For heavy-duty engines and vehicles, in-use compliance emission tests shall be performed pursuant to section 1956.8, Title 13, California Code of Regulations.

(e) For motorcycles, in-use compliance emission tests shall be performed pursuant to section 1958, Title 13, California Code of Regulations.

(f) For off-road motorcycles and all-terrain vehicles, in-use compliance tests shall be performed pursuant to section 2412, Title 13, California Code of Regulations. The in-use compliance testing shall use the same test procedure utilized for the specific vehicle's original certification testing.

(g) For off-road compression-ignition engines, in-use compliance tests shall be performed pursuant to Section 2423, Title 13, California Code of Regulations. The in-use compliance testing shall use the same test procedure utilized for the specific engine's original certification testing.

(h) For any emission in-use compliance test performed pursuant to subsections (a) through (g), the ARB may waive a specific test for subsequent vehicle samples if results from vehicle samples already tested are deemed sufficient to establish complying emission levels. The ARB shall inform the manufacturer at least 30 days prior to enforcement testing of its vehicles or engines and shall permit a manufacturer representative to observe the enforcement testing.

NOTE: Authority cited: Sections 39600, 39601, 43013, 43018, 43101, 43104 and 43105, Health and Safety Code. Reference: Sections 39002, 39003, 43000, 43009.5, 43013, 43018, 43100, 43101, 43101.5, 43102, 43103, 43104, 43105, 43106, 43107, 43204-43205.5 and 43211-43213, Health and Safety Code.

REFERENCE

§ 2140. Notification and Use of Test Results.

(a) The Executive Officer shall notify the manufacturer in writing if the in-use vehicle enforcement test results indicate that the test fleet contains three or more failures of the same emission-related component. Upon receipt of the notification, the manufacturer shall submit an emissions information report in accordance with Title 13, California Code of Regulations, Sections 2146 and 2147. The engine family, test group or sub-group manufacturer shall be subject to recall when a specific emission-related failure occurred in three or more test vehicles, unless the Executive Officer determines from the emissions information report that a recall is unnecessary.

(b) If the results of the in-use vehicle emission tests conducted pursuant to Section 2139 indicate that the average emissions of the test vehicles for any pollutant exceed the applicable emission standards specified in Title 13, California Code of Regulations, Sections 1960.1, 1961, 1956.8, 1958, 2412, 2423, the entire vehicle population so represented shall be deemed to exceed such standards. The Executive Officer shall notify the manufacturer of the test results and upon receipt of the notification, the manufacturer shall have 45 days to submit an influenced recall plan in accordance with Sections 2113 through 2121, Title 13, California Code of Regulations. If no such recall plan is submitted, the Executive Officer may order corrective action including recall of the affected vehicles in accordance with Sections 2122 through 2135, Title 13, California Code of Regulations.

NOTE: Authority cited: Sections 39600, 39601, 43013, 43018 and 43105, Health and Safety Code. Reference: Sections 43000, 43009.5, 43013, 43018, 43101, 43104, 43105, 43106, 43107, 43204-43205.5 and 43211-43213, Health and Safety Code.

REFERENCE

Division 3. Air Resources Board

Chapter 2. Enforcement of Vehicle Emission Standards and Surveillance Testing

Article 2.4. Procedures for Reporting Failures of Emission-Related Components

§ 2141. General Provisions.

(a) The provisions regarding applicability of the failure reporting procedures and the definitions shall be the same as those set forth in Title 13, California Code of Regulations, Sections 2111 and 2112, except that this Section 2141 does not apply to off-road compression-ignition engines, as defined in Section 2421.

(b) The requirement to file emission warranty information reports and field information reports for a given class or category of vehicles or engines shall be applicable for the warranty period but not to exceed the useful-life period of the vehicles or engines beginning with the 1990 model-year vehicles or engines.

(c) The requirement to file an emissions information report for a given class or category of vehicles or engines shall be applicable for the useful-life period of the vehicles or engines.

(d) In the case of motor vehicles or engines for which certification of the exhaust and evaporative emission control systems is granted to different manufacturers, the information reporting responsibility in subsections (b) and (c) above shall be assigned to the certifying manufacturer.

NOTE: Authority cited: Sections 39600, 39601 and 43105, Health and Safety Code. Reference: Sections 43000, 43009.5, 43018, 43101, 43104, 43105, 43106, 43107 and 43204-43205.5, Health and Safety Code.

REFERENCE

§ 2142. Alternative Procedures.

(a) A vehicle manufacturer may use an alternative procedure to those specified in Sections 2144(a) and 2145(a), provided the Executive Officer has determined that the alternative procedure will produce

substantially equivalent results. In making such a determination, the Executive Officer shall consider the capacity of the alternative procedure to:

- (1) ensure early detection of failing components within the useful life of the vehicles or engines;
- (2) track failing components by engine family;
- (3) assure prompt notification of the Executive Officer when a systematically failing component is indicated;
- (4) provide objective, complete and easily monitored data; and
- (5) be audited by the Executive Officer.

(b) If, in order to comply with the requirements of Section 2142(a), 2144(a) or 2145(a), a manufacturer elects to develop a system based upon a sampling of representative California dealerships, such plan must be reviewed and approved by the Executive Officer prior to its implementation.

NOTE: Authority cited: Sections 39600, 39601 and 43105, Health and Safety Code. Reference: Sections 43000, 43009.5, 43018, 43101, 43104, 43105, 43106, 43107 and 43204-43205.5, Health and Safety Code.

REFERENCE

§ 2143. Failure Levels Triggering Recall.

An engine family, test group or a subgroup shall be subject to a recall when the number of failures of a specific emission-related component exceeds the failure level set forth below, unless the Executive Officer determines from the emission information report that a recall is unnecessary pursuant to the criteria set forth in Section 2148(a) and (b). Vehicles or engines in an engine family or test group are subject to recall at the following failure levels: 4 percent or 50 (whichever is greater) for 1990 through 1991 model year vehicles or engines; 3 percent or 50 (whichever is greater) for 1992 through 1993 model-year vehicles or engines; and 2 percent or 50 (whichever is greater) for 1994 and subsequent model-year vehicles or engines. The Executive Officer may extend the applicability of the 4 or 3 percent failure levels if he/she determines that proceeding to the next lower level will create an excessive administrative burden on the ARB or the vehicle manufacturers without a corresponding benefit in the reduction of emissions.

NOTE: Authority cited: Sections 39600, 39601 and 43105, Health and Safety Code. Reference: Sections 43000, 43009.5, 43018, 43101, 43104, 43105, 43106, 43107 and 43204-43205.5, Health and Safety Code.

REFERENCE

§ 2144. Emission Warranty Information Report.

(a) A manufacturer shall:

(1) Review warranty claim records for each engine family or test group on a quarterly basis to determine and compile by cumulative total the number of claims made for emission-related components. The data compiled shall be based on all warranty claims, without any prescreening of data as to the validity of the claims. In the case of heavy-duty vehicles or engines, a manufacturer may use nationwide data for monitoring warranty claims of a California-certified engine family or test group which is also certified by the United States Environmental Protection Agency.

(2) Categorize warranty claims for each engine family or test group by the specific emission control component replaced or repaired.

(3) On the basis of data obtained subsequent to the effective date of these regulations, file an emission warranty information report for each quarter when the cumulative number of unscreened warranty claims for a specific emission-related component or repair represent at least one percent or twenty five (whichever is greater) of the vehicles or engines of a California-certified engine family or test group.

(b) The emission warranty information report shall contain the following information in substantially the format outlined below:

(1) The manufacturer's corporate name.

(2) A description of each class or category of California-certified vehicles or engines affected by a warranty replacement or warranty repair of a specific emission-related component, including model year and engine family or test group.

(3) The number and percentage of vehicles or engines in each engine family or test group for which a warranty replacement or warranty repair of a specific emission-related component was identified.

(4) A short description of the specific emission-related component that was replaced or repaired under warranty.

(c) Emission warranty information reports shall be submitted not more than 25 days after the close of a calendar quarter. Subsequent to the filing of an emission warranty information report, a manufacturer shall

submit quarterly reports updating the number and percentage of emission-related warranty claims with the most recent information, unless a recall has been implemented. Emission warranty information reports and updates shall be submitted to the Chief, Mobile Source Operations Division, 9528 Telstar Avenue, El Monte, CA 91731.

(d) The records described in Section 2144(a)(1) of these procedures and the records used under the alternative procedure described in Section 2142(a) of these procedures shall be made available to the Executive Officer upon request.

NOTE: Authority cited: Sections 39600, 39601 and 43105, Health and Safety Code. Reference: Sections 43000, 43009.5, 43018, 43101, 43104, 43105, 43106, 43107 and 43204-43205.5, Health and Safety Code.

REFERENCE

§ 2145. Field Information Report.

(a) On the basis of data obtained and reported pursuant to Section 2144 of these procedures, a manufacturer shall file a field information report not more than 45 days after an emission warranty information report indicates that a cumulative total of unscreened warranty claims for a specific emission-related component is found to exist in excess of the percentage of vehicles specified in Section 2143, unless the manufacturer has committed to perform a recall by notifying the ARB of its intent in writing within the 45-day period. A recall plan must be submitted within 45 days of that notice.

(b) All field information reports shall be submitted to the Chief, Mobile Source Operations Division, 9528 Telstar Avenue, El Monte, CA 91731, and shall contain the following information in substantially the format outlined below:

(1) The manufacturer's corporate name.

(2) A field information report number assigned by the manufacturer which shall be used in all related correspondence.

(3) A description of each class or category of California-certified vehicles or engines affected including make, model, model-year, engine family or test group and such other information as may be required to identify the vehicles or engines affected. The description shall include those engine families or test groups related to the affected engine family or test group through common certification test data allowed under Title 40, Code of Federal Regulations, Section 86.085-24(f), as amended December 10, 1984 or Title 40 Code of Federal Regulations, Section 86.1839-01, as adopted May 4, 1999 ("carry-over" and "carry-across" engine families).

(4) A description of the emission-related component that failed or was replaced or repaired under warranty, the failure and the probable cause of the failure.

(5) The number and percentage of vehicles or engines in each engine family or test group for which a failure of a specific emission-related component was identified.

(6) The total number and percentage of unscreened warranty claims and failures of a specific emission-related component projected to occur during the engine family's or test group's useful life and a description of the method used to project this number.

(7) An estimated date when the failure of a specific emission-related component will reach the levels specified in Section 2143 of these procedures.

NOTE: Authority cited: Sections 39600, 39601 and 43105, Health and Safety Code. Reference: Sections 43000, 43009.5, 43018, 43101, 43104, 43105, 43106, 43107 and 43204-43205.5, Health and Safety Code.

REFERENCE

§ 2146. Emissions Information Report.

(a) A manufacturer shall file an emissions information report:

(1) For 1990 and subsequent model-year vehicles or engines, when the failure of a specific emission-related component exceeds the percentages specified in Section 2143 of these procedures. An emissions information report shall not be required sooner than 45 days after the field information report has been submitted to the Executive Officer.

(2) Not more than 45 days after the Executive Officer, with cause, requires such a report. For purposes of this section, "cause" shall be based upon any information in ARB possession which indicates that a failure of significant scope is occurring which might necessitate a recall, including but not limited to the in-use enforcement test results specified in Section 2140(a) above, and information gathered from ARB in-use surveillance activities, Smog Check inspections, and consumer complaints.

(3) For 1982 through 1989 model-year vehicles or engines, not more than 15 days after a specific emission-related defect is determined to exist in twenty-five or more vehicles or engines of the same model year. A defect shall be determined in accordance with procedures established by a manufacturer to identify safety-related defects.

(b) No emissions information report shall be required if a manufacturer has committed to perform a recall by notifying the ARB of its intent in writing after the failure of a specific emission-related component exceeds the percentages specified in Section 2143 of these procedures. A recall plan shall be submitted within 45 days of the manufacturer's notification of intent to perform a recall.

(c) All emissions information reports shall be submitted to the Chief, Mobile Source Operations Division, 9528 Telstar Avenue, El Monte, CA 91731, and shall contain the following information in substantially the format outlined below. For purposes of this section, the term "failure" shall be considered synonymous with the term "defect" for those emissions information reports filed pursuant to subsection (a)(3), above.

(1) The manufacturer's corporate name.

(2) The field information report number from which the failure was first reported, if applicable.

(3) A description of each class or category of California-certified vehicles or engines affected by the failure including make, model, model-year, engine family or test group, and such other information as may be required to identify the vehicles or engines affected.

(4) A description of the emission-related component that failed, the failure and the probable cause of failure.

(5) A description of any driveability problems or impact on other vehicle or engine performance factors such as fuel economy and cold starting likely to result from the failure.

(6) For emissions information reports filed pursuant to Section 2146(a)(1) and (2), a description of how emissions will be affected over the useful life of the vehicles or engines due to the failure.

(7) For emissions information reports filed pursuant to Section 2146(a)(3), an evaluation of the emission impact of the failure and any available emission data which relate to the failure.

NOTE: Authority cited: Sections 39600, 39601 and 43105, Health and Safety Code. Reference: Sections 43000, 43009.5, 43018, 43101, 43104, 43105, 43106, 43107 and 43204-43205.5, Health and Safety Code.

REFERENCE

§ 2147. Demonstration of Compliance with Emission Standards.

(a) In order to overcome the presumption of noncompliance set forth in Title 13, California Code of Regulations, Section 2123(b), the average emissions of the vehicles and engines with the failed emission-related component must comply with applicable emission standards. A manufacturer may demonstrate compliance with the emission standards by following the procedures set forth in either subsection (b) or subsection (c) of this section.

(b) A manufacturer may test properly maintained in-use vehicles with the failed emission-related component pursuant to the applicable certification emission tests specified in Title 13, California Code of Regulations, Section 1960.1 or 1961, as applicable, for passenger cars, light-duty trucks and medium-duty vehicles, Section 1956.8 for heavy-duty engines and vehicles, and Section 1958 for motorcycles. The emissions shall be projected to the end of the vehicle's or engine's useful life using in-use deterioration factors. The in-use deterioration factors shall be chosen by the manufacturer from among the following:

(1) "Assigned" in-use deterioration factors provided by the ARB on a manufacturer's request and based on ARB in-use testing; or,

(2) deterioration factors generated during certification, provided adjustments are made to account for vehicle aging, customer mileage-accumulation practices, type of failed component, component failure mode, effect of the failure on other emission-control components, commercial fuel and lubricant quality, and any other factor which may affect the vehicle's or engine's operating conditions; or,

(3) subject to approval by the Executive Officer, a manufacturer-generated deterioration factor. The Executive Officer shall approve such deterioration factor if it is based on in-use data generated from certification emission tests performed on properly maintained and used vehicles in accordance with the procedures set forth in Section 1960.1 or 1961 of Title 13 of the California Code of Regulations as applicable for passenger cars, light-duty trucks, and medium-duty vehicles; Section 1956.8 of Title 13 of the California Code of Regulations for heavy duty vehicles and engines; and Section 1958 of Title 13 of the California Code of Regulations for motorcycles, and if the vehicles from which it was derived are

representative of the in-use fleet with regard to emissions performance and are equipped with similar emission control technology as vehicles with the failed component.

(c) In lieu of the vehicle or engine emission testing described in subsection (b) above and subject to approval by the Executive Officer, a manufacturer may perform an engineering analysis, laboratory testing or bench testing, when appropriate, to demonstrate the effect of the failure.

NOTE: Authority cited: Sections 39600, 39601 and 43105, Health and Safety Code. Reference: Sections 43000, 43009.5, 43018, 43101, 43104, 43105, 43106, 43107 and 43204-43205.5, Health and Safety Code.

REFERENCE

§ 2148. Evaluation of Need for Recall.

(a) Once the emission information report is filed, the Executive Officer shall evaluate the failure to determine whether a recall is necessary. Factors to be considered shall include but are not limited to the following:

- (1) the validity of the data;
- (2) the emission impact of the failure on individual vehicles or engines;
- (3) the possibility of induced tampering due to driveability problems resulting from the failure;
- (4) the effects of the failure on performance, fuel economy, and safety;
- (5) the failure rates and the timing and extent of a remedy if no recall is required; and
- (6) other factors specific to the failure.

(b) Notwithstanding subsection (a) above, a recall shall not be required if the manufacturer submits information with the emissions information report which demonstrates to the satisfaction of the Executive Officer that the failure:

(1) is limited to an emission-related component on a less-than-substantial percentage of vehicles and does not represent a pervasive defect in design, application, or execution which is likely to affect a substantial number of such emission-related components during the useful life of the vehicle or engines, and

(2) is likely to be corrected under the warranty program or other in-use maintenance procedure shortly after the inception of the problem.

(c) If a manufacturer can identify a subgroup of an engine family or test group which is subject to a failure, a recall may be limited to that subgroup with Executive Officer approval.

NOTE: Authority cited: Sections 39600, 39601 and 43105, Health and Safety Code. Reference: Sections 43000, 43009.5, 43018, 43101, 43104, 43105, 43106, 43107 and 43204-43205.5, Health and Safety Code.

REFERENCE

§ 2149. Notification and Subsequent Action.

(a) The Executive Officer shall notify the manufacturer of the evaluation results. If the Executive Officer deems a noncompliance exists, a manufacturer shall have 15 days upon receipt of ARB notification to notify the ARB in writing of its intent to perform a recall. A manufacturer may initiate one of the following recalls:

(1) A voluntary recall if the emissions information report submitted was required pursuant to Section 2146(a)(1) or (a)(3) of these procedures;

(2) An influenced recall if the emissions information report submitted was required pursuant to Section 2146(a)(2) of these procedures.

(b) If no notification to perform a voluntary or influenced recall is submitted by the manufacturer within the 15-day period specified in subsection (a) above, the ARB may initiate further investigation which could lead, respectively, to an influenced or ordered recall of the subject vehicles or engines.

(c) Following notification of noncompliance by the ARB, a manufacturer shall submit within 45 days a recall plan in accordance with Section 2113(a) or (b), Title 13, California Code of Regulations.

NOTE: Authority cited: Sections 39600, 39601 and 43105, Health and Safety Code. Reference: Sections 43000, 43009.5, 43018, 43101, 43104, 43105, 43106, 43107, 43204-43205.5, 43211-43213 and 43107, Health and Safety Code.

REFERENCE

Division 3. Air Resources Board

Chapter 2. Enforcement of Vehicle Emission Standards and Surveillance Testing

Article 3. Surveillance Testing

§ 2150. Assembly-Line Surveillance.

(a) Each manufacturer offering new vehicles for sale in California shall make available to the state board at reasonable times and upon reasonable written notice its facilities for the purpose of observing assembly-line testing conducted pursuant to Article 1.

(b) Upon request, facilities at the assembly-line shall be made available for the state board to conduct its own assembly-line tests with the manufacturer's or the state board's own equipment. In lieu of the state board's surveillance testing at assembly-lines, a manufacturer and the executive officer of the state board may agree

(1) to the state board's surveillance testing in California at a point or points mutually satisfactory to both, or

(2) to surveillance being conducted by an independent laboratory pursuant to instructions of the executive officer. The executive officer shall endeavor to conduct assembly-line surveillance testing under this subdivision with respect to manufacturers whose assembly-lines are outside the continental United States.

NOTE: Authority cited: Sections 39600, 39601 and 43202, Health and Safety Code. Reference: Sections 39002, 39003, 39500, 43100, 4302 and 43210, Health and Safety Code.

REFERENCE

§ 2151. New Motor Vehicle Dealer Surveillance.

(a) No dealer shall sell, or offer or deliver for sale a new passenger car, light-duty truck, or medium-duty vehicle which is required to meet emission standards adopted pursuant to Chapter 2 (commencing with Section 43100) of Part 5 of Division 26 of the Health and Safety Code, unless such vehicle conforms to the following requirements:

(1) Ignition timing set to manufacturer's specification with an allowable tolerance of $\pm 3^\circ$

(2) Idle speed is set to manufacturer's specification with an allowable tolerance of ± 100 rpm;

(3) Required exhaust and evaporative emission controls, such as EGR valves, are operating properly;

(4) Vacuum hoses and electrical wiring for emission controls are correctly routed; and

(5) Idle mixture is set to manufacturer's specification or according to manufacturer's recommended service procedure.

(b) The executive officer or his/her authorized representative shall, pursuant to Health and Safety Code Section 43012, conduct inspection and surveillance of new motor vehicles at dealerships to verify conformity with the requirements set forth in paragraph (a). Functional tests, steady-state inspection tests, and other tests as reasonably necessary shall be performed. The California Motor Vehicle Inspection Program emission test standards in Section 2176 applicable to the appropriate model year may be used by the executive officer or his/her authorized representative to verify the compliance of new motor vehicles with the requirements of subparagraph (a). Exceeding the limits specified in Section 2176 shall be deemed a violation of the requirements of subparagraph (a). Costs such as those enumerated in Section 2153 shall be borne by the manufacturers.

(c) Violation of the requirements set forth in paragraph (a) may result in one or more of the following sanctions:

(1) Dealer liability for a civil penalty pursuant to Health and Safety Code Section 43212; for the purpose of this section, the word "distributor" in Section 43212 includes dealers;

(2) Dealer infraction liability for violation of Vehicle Code Section 24007(b) or 27156; or

(3) Any other remedy against a manufacturer or dealer provided for by law.

NOTE: Authority cited: Sections 39600, 39601 and 43211, Health and Safety Code. Reference: Sections 39002, 39003, 39500, 43000, 43009, 43012, 43210, 43211, 43212 and 43600, Health and Safety Code; and Sections 24007(b), 27156 and 27157, Vehicle Code.

REFERENCE

§ 2152. Surveillance of Used Cars at Dealerships.

(a) No dealer shall sell, or offer or deliver for sale a used passenger car, light-duty truck, or medium-duty vehicle which is required to meet emission standards adopted pursuant to Chapter 1 (commencing with Section 43000) of Part 5 of Division 26 of the Health and Safety Code, unless such vehicle conforms to the following requirements:

(1) Ignition timing set to retrofit device or vehicle manufacturer's specification with an allowable tolerance $\pm 3^\circ$;

(2) Idle speed set to retrofit device or vehicle manufacturer's specification with an allowable tolerance of ± 100 rpm;

(3) Required exhaust and evaporative emission controls, such as EGR valves, are operating properly;

(4) Vacuum hoses and electrical wiring for emission controls are correctly routed and connected; and

(5) Idle mixture set to retrofit device or vehicle manufacturer's specification or according to manufacturer's recommended service procedure.

(b) The requirements set forth in subparagraphs (a)(1) through (a)(5) shall also apply to a dealer when servicing emission related components. However, only that requirement(s) appropriate to the service performed shall apply.

(c) The executive officer or his/her authorized representative shall, pursuant to Health and Safety Code Section 43012, conduct inspection and surveillance of used motor vehicles at dealerships to verify conformity with the requirements set forth in paragraphs (a) and (b). Functional tests, steady-state inspection tests, and other tests as reasonably necessary, shall be performed. In addition, the California Motor Vehicle Inspection Program emission test standards in Section 2176 applicable to the appropriate model year may be used by the executive officer or his/her authorized representative to verify compliance with the requirements of subparagraph (a). Exceeding the limits specified in Section 2176 shall be deemed a violation of the requirements of subparagraph (a).

(d) Violation of the requirements set forth in paragraphs (a) and (b) may result in one or more of the following sanctions:

(1) Dealer infraction liability for violation of Vehicle Code Section 24007(b) or 27156;

(2) Action against the dealer's license pursuant to Vehicle Code Section 11713; or

(3) Any other remedy against a manufacturer or dealer provided for by law.

NOTE: Authority cited: Sections 39600, 39601 and 43211, Health and Safety Code. Reference: Sections 39002, 39003, 43009, 43012, 43100 and 43600, Health and Safety Code; and Sections 11713, 24007(b), 27156, 27157 and 27157.5, Vehicle Code.

REFERENCE

§ 2153. Reimbursement of Costs.

In connection with surveillance of emissions from new vehicles prior to their retail sale, the manufacturers of such vehicles shall pay fees to permit the state board to recover the state board's direct and indirect costs in conducting such surveillance. These costs will be computed on a person-hour basis according to time spent on each manufacturer, and shall include personnel salaries, administrative overhead, travel time and expenses. With respect to surveillance conducted away from the state board's Vehicle Testing Laboratory, if more than one manufacturer is involved in a particular trip, travel time and expenses shall be apportioned among them according to time spent in surveillance of each manufacturer's vehicles. The computations used in establishing fees will periodically be revised and shall be available upon request.

NOTE: Authority cited: Sections 39600, 39601 and 43203, Health and Safety Code. Reference: Section 43210, Health and Safety Code.

REFERENCE

Division 3. Air Resources Board

Chapter 2. Enforcement of Vehicle Emission Standards and Surveillance Testing

Article 4. Certificates of Compliance

§ 2163. Certificates of Compliance Exemptions for Used Motorcycles.

Certificates of Compliance are not required upon transfer of ownership and registration of motorcycles, nor upon initial registration of motorcycles with odometer readings of over 7,500 miles. This section shall become effective on September 1, 1984, and shall supersede the provisions of Section 2162 on that date.

NOTE: Authority cited: Section 4000.1(e), Vehicle Code; and Sections 39600 and 39601, Health and Safety Code. Reference: Sections 4000.1(e) and 4000.2, Vehicle Code; and Sections 43150-43156, Health and Safety Code.

REFERENCE

§ 2164. Certificates of Compliance Exemptions for Used Diesel-Powered Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles.

Certificates of Compliance are not required upon transfer of ownership and registration of diesel-powered passenger cars, light-duty trucks, and medium-duty vehicles, nor upon initial registration of diesel-powered passenger cars, light-duty trucks, and medium-duty vehicles with odometer readings of over 7,500 miles. This section shall become effective on September 1, 1984, and shall supersede the provisions of Sections 2160 and 2161 on that date.

NOTE: Authority cited: Section 4000.1(e), Vehicle Code; and Sections 39600 and 39601, Health and Safety Code. Reference: Sections 4000.1(e) and 4000.2, Vehicle Code; and Sections 43150-43156, Health and Safety Code.

REFERENCE

§ 2165. Certificates of Compliance Exemptions for Used Heavy-Duty Diesel Vehicles.

Certificates of Compliance are not required upon transfer of ownership and registration of heavy-duty diesel vehicles, nor upon initial registration of heavy-duty diesel vehicles with an odometer reading of over 7,500 miles. This section shall become effective on September 1, 1984, and shall supersede the provisions of Sections 2160 and 2161 on that date.

NOTE: Authority cited: Section 4000.1(e), Vehicle Code; and Sections 39600 and 39601, Health and Safety Code. Reference: Sections 4000.1(e) and 4000.2, Vehicle Code; and Sections 43150-43156, Health and Safety Code.

REFERENCE